

20011023.qrp v02\_n351.qrl.20011023

Date: Tue, 23 Oct 2001 19:03:12 EDT  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 2351

QRP-L Digest 2351

Topics covered in this issue include:

- 1) [109269] Misc for sale, cleaning shack  
by "NZ8J" <timcook@erinet.com>
- 2) [109270] Kent Paddles - S/N and Manual?  
by Jim Lowman <jmlowman@directvinternet.com>
- 3) [109271] FOX: The Basics (long)  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 4) [109272] Re: The better 10m vertical solution  
by "Howard Kraus" <K2UD@adelphia.net>
- 5) [109273] Xtals Sold..  
by "NZ8J" <timcook@erinet.com>
- 6) [109274] Couple of Questions  
by "Tim A. King Jr." <iflyos@hotmail.com>
- 7) [109275] Re: Kent Paddles - S/N and Manual?  
by "Bob Hightower" <nk7m@extremezone.com>
- 8) [109276] Re: Kent Paddles - S/N and Manual?  
by "Ingo, DK3RED" <dk3red@t-online.de>
- 9) [109277] Running of the Bulls & Sweepstakes  
by Randy Foltz <rfoltz@turbonet.com>
- 10) [109278] K1-4 and KFL1-4 info updated on Elecraft page.  
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 11) [109279] RE: BFO  
by Nick Kennedy <nkennedy@tcainternet.com>
- 12) [109280] FS - Vibroplex & VHF Xcvt  
by Radioham <radioham@home.com>
- 13) [109281] Re: Want to keep CW!!  
by "tmyers" <tmyers@AcademicPlanet.com>
- 14) [109282] Re: Couple of Questions  
by "Bill, N4QA" <n4qa@hotmail.com>
- 15) [109283] FS: MFJ-249 HF/VHF SWR Analyser  
by "Mark Sailer" <n2jtw@yahoo.com>
- 16) [109284] Re: Working with vaccum tubes  
by "Trevor Jacobs" <fxtech@earthlink.net>
- 17) [109285] SHACK CLEANING SALE!  
by AC6JA@aol.com
- 18) [109286] Testing Again Tonight @0400Z  
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 19) [109287] RE: Working with vaccum tubes

- by Nick Kennedy <nkennedy@tcainternet.com>
- 20) [109288] Re: QRP RIGS FOR SALE  
by Earl Murphy <earlmurf@telusplanet.net>
- 21) [109289] Re: PVC stiffening for loop supports  
by Pete Burbank <plburbank@kih.net>
- 22) [109290] Re: PVC stiffening for loop supports  
by Michael Goins <mgoins@usa.net>
- 23) [109291] Third stage---Check!!! (long)  
by "TC Dufresne" <tdufresne@neb.rr.com>
- 24) [109292] Re: Testing Again Tonight @0400Z  
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 25) [109293] freq change?  
by Joel M Denison <hamjoel@juno.com>
- 26) [109294] Fox - 40 mtr Fox Hunt Teams -  
by Bruce Ratray <ratray@gpfn.sk.ca>
- 27) [109295] FOX: Teams-- NOT too late!  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 28) [109296] Re: Working with vaccum tubes  
by "George, W5YR" <w5yr@att.net>
- 29) [109297] Re: Testing Again Tonight @0400Z  
by K5KW@aol.com
- 30) [109298] 4-band K1 Q & A, part II  
by Wayne Burdick <n6kr@elecraft.com>
- 31) [109299] Test Results...  
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 32) [109300] Re: QRP RIGS FOR SALE  
by IamSF5@aol.com
- 33) [109301] Fox teams,  
by Pete Burbank <plburbank@kih.net>
- 34) [109302] Re: Solar Panels and Charge Controllers  
by George Gingell <k3tks@u1.abs.net>
- 35) [109303] Re: PVC Antenna Supports (LONG)  
by George Gingell <k3tks@u1.abs.net>
- 36) [109304] Re: Working with vaccum tubes  
by "Trevor Jacobs" <fxtech@earthlink.net>
- 37) [109305] Re: Workingwith Vacuum Tubes  
by George Gingell <k3tks@u1.abs.net>
- 38) [109306] Return Loss Bridge  
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 39) [109307] Small Reciever  
by "Francis Callahan" <colcal@srv.net>
- 40) [109308] Subject: OT: Scrambled Intruders:  
by John R Kirby <n3aaz-qrp@juno.com>
- 41) [109309] Re: Want to keep CW!!  
by Bill ROWLETT <kc4atu@yahoo.com>
- 42) [109310] Re: Small Reciever  
by "Ingo, DK3RED" <dk3red@t-online.de>
- 43) [109311] Intruders - a question?

by Euramcom <mel@euramcom.freeseve.co.uk>  
44) [109312] Re: Return Loss Bridge  
by "Ingo, DK3RED" <dk3red@t-online.de>  
45) [109313] Subject: OT: Scrambled Intruders:  
by William R Colbert <w5xe@juno.com>  
46) [109314] RE: Small Reciever  
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>  
47) [109315] 40 meters  
by "Karl F. Larsen" <k5di@zianet.com>  
48) [109316] IF you want to keep CW - read this  
by John McKee <JMckee@rfmd.com>  
49) [109317] Online Solar Physics Book  
by "Rod N0RC" <rod@n0rc.com>  
50) [109318] Re: 3560 intruders  
by Bruce Muscolino <w6toy@erols.com>  
51) [109319] Re: Subject: OT: Scrambled Intruders:  
by "Karl F. Larsen" <k5di@zianet.com>  
52) [109320] New England QRP SSB NET tonight at 7:30EDT 7.285Mhz +- 5Khz  
by "Ronald A Pfeiffer" <Ronald\_A\_Pfeiffer@raytheon.com>  
53) [109321] Re: Subject: OT: Scrambled Intruders:  
by William R Colbert <w5xe@juno.com>  
54) [109322] Re: Subject: OT: Scrambled Intruders:  
by "carl seyersdahl" <carlseye@tampabay.rr.com>  
55) [109323] RE: 3560 intruders & 40M "Intruders"  
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>  
56) [109324] RE: IF you want to keep CW - read this  
by "Kwik, Ed " <ed.kwik@delphiauto.com>  
57) [109325] Re: 3560 intruders & 40M "Intruders"  
by William R Colbert <w5xe@juno.com>  
58) [109326] Re: Workingwith Vacuum Tubes  
by Bruce Muscolino <w6toy@erols.com>  
59) [109327] RE: Subject: OT: Scrambled Intruders:  
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>  
60) [109328] Re: Subject: OT: Scrambled Intruders:  
by "Mike Yetsko" <myetsko@insydesw.com>  
61) [109329] Re: Intruders - a question?  
by William R Colbert <w5xe@juno.com>  
62) [109330] Re: Subject: OT: Scrambled Intruders:  
by Bruce Muscolino <w6toy@erols.com>  
63) [109331] [CLUB] 2nd Annual Running of the Bulls  
by Jim Stafford <w4qo@amsat.org>  
64) [109332] Zombie Credentials??  
by Dragon Singer <WM-Scace@wiu.edu>  
65) [109333] Re: The better 10m vertical solution  
by Ray Sills <raysills@1stconnect.com>  
66) [109334] Re: Subject: OT: Scrambled Intruders:  
by brickle <brickle@pobox.com>  
67) [109335] Re: Intruders - a question?

- by brickle <brickle@pobox.com>
- 68) [109336] Digipan, WinPSK, and other sound card software  
by "Phinizy, William" <wphinizy@filenet.com>
- 69) [109337] Re: Digipan, WinPSK, and other sound card software  
by <igeq100@iupui.edu>
- 70) [109338] Re: Electrically short antenna  
by Jim Glover <psykey@okcforum.org>
- 71) [109339] November ARRL CW SS Weekend  
by Chuck Adams <adamsc@moon.pr.erau.edu>
- 72) [109340] Re: FST button on FT-817  
by "Rob Matherly" <kc0bom@arrl.net>
- 73) [109341] DANGER - HV!  
by "Steven Weber" <kd1jv@moose.ncia.net>
- 74) [109342] Re: Working with vaccum tubes  
by "ccaro" <cjcaro35@hotmail.com>
- 75) [109343] Re: Digipan, WinPSK, and other sound card software  
by "George, W5YR" <w5yr@att.net>
- 76) [109344] Re: Small Reciever  
by "ZOOM" <kandrparker@sympatico.ca>
- 77) [109345] Re: QRP RIGS FOR SALE  
by Earl Murphy <earlmurf@telusplanet.net>
- 78) [109346] QRPacificon Report (Very Long)  
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 79) [109347] Re: Four-Band K1 Excitement  
by "Mike Boatright" <ko4wx@mindspring.com>
- 80) [109348] FW: Here Comes the Sun (Again!)  
by "Ed Tanton" <n4xy@att.net>
- 81) [109349] Re: DX with Mediocre Antenna  
by "Jim Stamper" <jstamper@shentel.net>
- 82) [109350] Michigan QRP net 9:00PM Eastern time 3.535Mhz  
by "Kwik, Ed " <ed.kwik@delphiauto.com>
- 83) [109351] Hard to Believe  
by "Karl F. Larsen" <k5di@zianet.com>
- 84) [109352] Elecraft KFL1-4 Manual Now Available for Download  
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 85) [109353] Re: DANGER - HV!  
by "Bill, N4QA" <n4qa@hotmail.com>
- 86) [109354] Pacificon Comments  
by "Bill Jones" <kd7s@psnw.com>
- 87) [109355] adjusting radio shack switching power supply voltage  
by AC6JA@aol.com
- 88) [109356] RE: Line noise from hell  
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 89) [109357] RE: QRP Antennas The MP-1  
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 90) [109358] RE: Weak Wavery Beacons on 160M  
by "Jerry L. Bartachek" <jsbarta@lisco.com>
- 91) [109359] Re: Weak Wavery Beacons on 160M

- by "w8diz" <w8diz@fpqrp.com>
- 92) [109360] Test Equipment  
by "Tim A. King Jr." <iflyos@hotmail.com>
- 93) [109361] Re: Test Equipment  
by "Harry Hurst" <wa3ptg@home.com>
- 94) [109362] Re: Test Equipment  
by "George, W5YR" <w5yr@att.net>
- 95) [109363] Re: Improving, not replacing the G5RV  
by Rick McKee <kc8aon@juno.com>
- 96) [109364] Re: Weak Wavery Beacons on 160M  
by George Franklin <w0av@juno.com>
- 97) [109365] Re: Improving, not replacing the G5RV  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 98) [109366] Re: Test Equipment  
by Bruce Muscolino <w6toy@erols.com>
- 99) [109367] Re: Test Equipment  
by "John Moriarity" <k6qq@hdo.net>
- 100) [109368] RE: QRP Antennas The MP-1  
by "Karl F. Larsen" <k5di@zianet.com>

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Date: Mon, 22 Oct 2001 19:05:28 -0400  
From: "NZ8J" <timcook@erinet.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [109269] Misc for sale, cleaning shack  
Message-ID: <00ab01c15b4e\$0aed8700\$6122fea9@nec>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Heathkit HW-16 CW transceiver, HG-10B matching VFO with copies of manuals,  
very nice condition and working fine \$165

18 FT-243 xtals  
(7.042,7.047,7.050,7.036,7.021,7.031,7.026,7.009,7.073,7.061,7.150,7.010,3.7  
27, 3.980, 3.723, 3.742, 3.735, 3.716) - \$50

HM-11 SWR meter - \$25

HD-1410 electronic keyer - \$45

Sears labeled version of the FRG-7, super nice condition with matching Yaesu  
speaker, original manual \$175

JPS NRF-7 DSP filter Notch/Peak/CW/SSB/Data positions exc condition \$75

all prices plus shipping  
please email for more info if interested

Thanks  
Tim  
NZ8J

-----  
Date: Mon, 22 Oct 2001 16:05:09 -0700  
From: Jim Lowman <jmlowman@directvinternet.com>  
To: qrp-1@lehigh.edu  
Subject: [109270] Kent Paddles - S/N and Manual?  
Message-ID: <3BD4A625.DBD14A23@directvinternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

One of the highlights of Pacificon this year was a last-minute surprise gift from Judy - a set of Kent dual paddles - what a wife! I hadn't noticed them, as they were being sold by a vendor from Oregon who was selling backpacking gear and specialty cases for the K1, K2 and FT-817.

When we returned home, I was a bit surprised not to find any sort of documentation with the paddles, and no serial number engraved anywhere that I could find.

No big deal on the manual, but even my new Code Worrier has an engraved serial number, and a one-page instruction sheet.

Anyone else notice this?

Thanks and 72 de Jim - AD6CW

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Date: Mon, 22 Oct 2001 17:22:24 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: Qrp-1@lehigh.edu  
Subject: [109271] FOX: The Basics (long)  
Message-ID: <3BD455D0.1552.1D8F635@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Content-description: Mail message body

With the Winter Fox Hunt starting this Thursday I thought it might be a good time to go over the basics, especially for those of you who don't quite know what it's all about. The Fox Hunts have been going on since forever (1995?), and those of us who are regular participants tend to forget that there are always newcomers. The schedule, rules, and (later on) the results can be found on the Fox Hunt web site at <http://www.cqc.org/fox> , but here's a synopsis for those who are web-impaired etc.

The 40 M Fox Hunts were invented by QRP-L founder Chuck Adams, K7Q0, primarily with the intention of getting the QRP-L members away from their computers and onto 40M on weekday evenings. The theory was simple-- the Fox could appear anywhere between 7.030 and 7.060, and the Hounds (everyone else) would try to a) find him and b) work him. At the end of the season there were prizes for the Fox who worked the most Hounds, and the Hound who worked the most Foxes. It's become a very popular pastime over the years, and because of that popularity it has had to become a little more structured. For example, the Foxes will always be indicated as closely as possible where they are working, and in most cases will have to work "split" (to spread the hundred or more calling stations out a bit so that one can be picked out at a time).

Why do we do it? We keep saying that "fun is the first priority" or words to that effect, and it IS fun. But it is also a great way to sharpen your operating skills. Learning how to break a DX pileup is a very useful skill, and that's pretty much what you have to do to work the Fox now. You also have to be able to hear and understand what is going on, often under difficult band conditions, so it's good "readiness" training as well. For the Fox, it's about the only way to work a personal pileup short of going on a DXpedition.

Everybody who participates, or works even one Fox, is a winner, but there is recognition (fame and glory) for the top Hounds and the top Foxes in each season. Not everybody is in a position to

challenge the leaders and the record holders, of course, but there is a great deal of satisfaction in every Fox QSO and challenging YOURSELF to see how many Foxes you can work, and/or how quickly you can work them, is the essence of fun in the Fox Hunts.

The "Teams Competition" is another way to have fun with the hunts. Teams of 5 Hounds get together and compete with other teams, to see which team can score the most FOX QSO's and also to see which team can rack up the most "sweeps," which are when all 5 team members work a Fox. Anybody can be on a team, and it adds to the fun of the Fox Hunts. Personally, being a member of the Big Dawgs has been a big thrill for me over the last the Fox Hunts. As it happens, the Big Dawgs won both the overall Teams Competition and the Sweeps Competition in the last three Fox Hunts, so we are going to "retire undefeated" and look for other challenges. This means a) the Hated Ratz are well placed to become the Respected Ratz this winter, and b) there are 7 former Big Dawgs up for grabs if you are looking for an experienced Hound to join YOUR team. Those would be the 7 hams (N1FN, N2WW, NW7DX, N5TW, N6WG, K0MP, and K0FRP) you can see on the street corner with a sign that says "will work for pelts."

The winning team at the end of the season gets its name and members' calls engraved on a perpetual trophy donated and maintained by QRP Canada, and the team with the most sweeps goes onto a trophy donated and maintained by the KnightLites. Mid-way through the season it will be apparent which two or three teams are in the running for the trophies, but anything can happen. And teams with lower scores tend to start competing vocally with each other.

And now, if you've stuck it out this far, I want to address the slower operators out there. Yes, there is a "Cub Fox Hunt" especially for you, but don't let that stop you from playing with the big kids. The Cub hunt evolved from the Novice Hunt (again founded by Chuck K7Q0) back when there were a lot of Novice and Novice/Techs around but nobody using the Novice band on 40M. It



was primarily a training ground for Foxes, and in the "big" hunt you could get 5 points by working ONE Novice Fox. Now though most participants can legally operate on 7.040, and you should be able to work the Foxes there with a little patience. Toward the end of the hunt, the Fox will be delighted to slow down as much as necessary to work you. There are seldom enough Hounds to keep the Fox fully occupied for two hours, so he will want that QSO as much as you do.

I really hate to think how many Fox Pelts I've hung on my wall by now, but it is still a thrill to hear that big QRP pileup, to be a part of it, and most of all to break through it and make the Q. I can't compete with the hounds who have multiple elements at 60' or more, but it's always fun to figure out how the fox is thinking, which way he's going to move, and be sitting there with my finger on the trigger when his little head pops up. Hunter/killer instinct, maybe, but whatever it is, it's fun.

So dust off your headphones and your key and take a crack at it... the only sure way to NOT get a pelt is to not try [g]. And if you make the effort to get in there and fight for a pelt, you'll be surprised how many are hanging on your wall by Christmas.

May the Fox be with you...

Marshall Emm  
N1FN/VK5FN  
n1fn@MorseX.com  
Morse Express and Oak Hills Research  
"Everything for the Morse Enthusiast"  
<http://www.MorseX.com>  
<http://www.ohr.com>  
(303)752-3382  
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Date: Mon, 22 Oct 2001 19:31:57 -0400  
From: "Howard Kraus" <K2UD@adelphia.net>  
To: <rohre@arlut.utexas.edu>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [109272] Re: The better 10m vertical solution  
Message-ID: <002501c15b51\$bdf1bee0\$64603018@buf.adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Another 10M antenna that is in use here, is a quickie ground plane made with wire.

My favorite field expedient 10M ground plane uses the South Bend SD-20 pole for support, (1) 1/4 wave vertical radiating element, with (4) 1/4 wave radials at an angle of 45 degrees (this provides a nice 50 ohm impedance). The same radials are sloped to ground using simple string to short wooden dowels stuck in the ground. Very inexpensive! This does not necessarily(sp?) guy the antenna, as the SD-20 is mounted on Vern, W6MMA's PVC/dowel/VERY BIG SPIKE assembly used for the St. Louis Vertical. You simply stick it right in the ground. Quick, easy, dirt cheap 10M antenna. Works like a thousand bucks when the band is hopping.

Did I say field expedient? This is actually my permanent 10M antenna at home! The element/radials are made out of elevator travelling wire (cheap and abundant in my line of work).

Put up your 10M antenna before this weekend, as that is the 10-10 Fall CW Sprint.

72 all

Howard Kraus, K2UD

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Date: Mon, 22 Oct 2001 19:52:50 -0400  
From: "NZ8J" <timcook@erinet.com>  
To: <qrp-l@Lehigh.EDU>  
Subject: [109273] Xtals Sold..  
Message-ID: <010b01c15b54\$a8cbe600\$6122fea9@nec>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Wish I had more, but the xtals went to the first response 1 minute after posting.. Had 8 responses in the first 25 minutes..!!!  
Thanks to all who responded  
Tim  
NZ8J

-----  
Date: Mon, 22 Oct 2001 20:08:39 -0400  
From: "Tim A. King Jr." <iflyos@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [109274] Couple of Questions  
Message-ID: <F204iZAtGYkNUTv17PD0000d419@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

First question.....I need a SMALL SMALL SMALL 80m antenna. Reason being, our November club meeting is a kit/homebrew type of meeting, and I have a Pixie & a Ft. Smith TiCK Keyer/paddle that I have built. I would like to go in there with a complete QRP setup, antenna and all, but I am not having luck with a dippole. I realize a SMALL antenna wount be efficent, but if it will work well enough to hear and be heard by the club's station during the Demo portion, I will be happy.

Next question: has anyone done a Pixie on 20 meters yet? I know this isn't a real radio, but the darn things are so much fun..and I happen to have a huge stock of parts to build them with. (I know, I gotta get some NE602/612's and start building better radios.) I figured why not build another for 20, just for kicks. I did manage a qso with a buddy a few miles up the road with the 80m pixie...he just happend to tune across and heard my CQ, and answered. Ended up having to use 2m to verify what our horrible sending was actually saying, but by gosh, it worked.

73,

Tim A. King, Jr.  
KG4MQD  
Safety Officer, Hobby Park R/C Aircraft Club  
Winston Salem, NC  
AMA# 578668

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Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

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Date: Mon, 22 Oct 2001 17:07:53 -0700  
From: "Bob Hightower" <nk7m@extremezone.com>  
To: <jmlowman@directvinternet.com>  
Cc: "qrp list" <qrp-l@lehigh.edu>  
Subject: [109275] Re: Kent Paddles - S/N and Manual?  
Message-ID: <02d101c15b56\$c3e58ac0\$40127d3f@de11>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have two sets of Kent paddles, both a couple of years old, and neither has a serial number engraved. Didn't know they did that.

Bob NK7M

----- Original Message -----

From: "Jim Lowman" <jmlowman@directvinternet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Monday, October 22, 2001 4:05 PM  
Subject: Kent Paddles - S/N and Manual?

> One of the highlights of Pacificon this year was a last-minute  
> surprise gift from Judy - a set of Kent dual paddles - what a wife!  
> I hadn't noticed them, as they were being sold by a vendor from Oregon  
> who was selling backpacking gear and specialty cases for the K1, K2  
> and FT-817.  
>  
> When we returned home, I was a bit surprised not to find any sort of  
> documentation with the paddles, and no serial number engraved anywhere  
> that I could find.

>  
> No big deal on the manual, but even my new Code Worrier has an  
> engraved serial number, and a one-page instruction sheet.  
>  
> Anyone else notice this?  
>  
> Thanks and 72 de Jim - AD6CW

-----  
Date: Tue, 23 Oct 2001 02:45:28 +0200  
From: "Ingo, DK3RED" <dk3red@t-online.de>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [109276] Re: Kent Paddles - S/N and Manual?  
Message-ID: <3BD4BDA8.CE23F9C3@t-online.de>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello Jim,

> When we returned home, I was a bit surprised not to find any sort of  
> documentation with the paddles, and no serial number engraved anywhere  
> that I could find.  
>  
> No big deal on the manual, but even my new Code Worrier has an  
> engraved serial number, and a one-page instruction sheet.

I use here also Kent keys and there are NO serial number on the basis.

The keys will work not better with numbers. ;o)

--  
72/73 de Ingo, DK3RED ( Don't forget: the fun is the power ! )  
dk3red@t-online.de - www.qsl.net/dk3red - www.t-online.de/~dk3red

-----  
Date: Mon, 22 Oct 2001 17:48:44 -0700  
From: Randy Foltz <rfoltz@turbonet.com>  
To: qrp1\_post <qrp-l@lehigh.edu>  
Subject: [109277] Running of the Bulls & Sweepstakes  
Message-ID: <3BD4BE6C.E341618D@turbonet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Second Annual Running of the QRP Bulls Mini-contest  
November 3/4, 2001.

QRP Amateur Radio Club International (QRP ARCI) is again pleased to announce a "mini contest" coincident with the ARRL CW Sweepstakes. It is called the "Running of the QRP Bulls". The goals of the contest are to:

1. Encourage more participation in the QRP category of the CW SS - November 3/4, 2001. We are trying to encourage more QRP entries than B entries (high power). Last year, we had a couple more than the "B" entries! If you get on to make even one QRP contact, submit a log to ARRL.
2. To provide more opportunity to do WAS QRP and 2x QRP. To do this, we need more QRP category entrants calling CQ.
3. Encourage more QRP stations to "borrow" a contest-type station for the weekend. There are many phone operators who would gladly "loan" their station to a QRPer for the weekend. We want to encourage anyone who has a "big" antenna system to definitely get on during the weekend. This will give more folks opportunity to work 2x QRP.
4. Encourage QRP stations to operate longer during the weekend. We have a plan for this.

Here it is: We would like to identify what we call the QRP Bulls. Now you don't have to be a "big antenna" type station to be a Bull. You only have to activate your ARRL section and plan to operate something like 15 hours during the contest. This is what makes you a Bull - willing to operate for an extended period. We will keep a list of all Bulls by section and our goal is to activate at least one Bull in each section. All those who are not Bulls will be Matadors! If you can only operate for a short period of time, enter the Matador category. Get on and make at least one contact during the weekend and, here's the requirement to enter either category, you must have sent in your entry to ARRL!

Prizes: QRP ARCI will provide a plaque to the top Bull, based on number of QRP to QRP (Q) contacts you make. Remember: to make QRP contacts as a Bull, you will need to call CQ! We will also provide a plaque to the top Matador, based on working the most Bulls during the contest. An ARRL Handbook will also be given to each winner! If you would like to be a Bull, send your call, name, and ARRL section

to: Randy Foltz, rfoltz@turbonet.com by November 1. Randy will publish on a web page - <http://personal.palouse.net/rfoltz/arci/bullst.htm>, a full list of Bulls so we can see which ARRL sections need to be filled. After the contest, FIRST, send in your contest entry to ARRL and then send Randy your report and soapbox. There will be an online page to do this but you may also send via snail mail.

Remember Bulls - your score is number of Q stations worked. Matadors - the number of Bulls worked. So sign up now to be in the Running of the QRP Bulls. Even if you're don t normally operate QRP, why not turn down your power to 5 watts and become a QRP Bull and be a part of this fun contest.

--  
73,  
Randy, K7TQ  
QRP ARCI Contest Chairman

-----  
Date: Mon, 22 Oct 2001 17:57:38 -0700  
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>  
To: Elecraft mail list <elecraft@qth.net>  
Subject: [109278] K1-4 and KFL1-4 info updated on Elecraft page.  
Message-ID: <3BD4C082.E0720BD@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

We've just uploaded new descriptions of the K1-4 four band QRP rig and the KFL1-4 four band module, including new pictures of the KFL1-4, to our K1 page at:  
<http://www.elecraft.com>

73, Eric WA6HHQ

-----  
Date: Mon, 22 Oct 2001 20:29:40 -0500  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: "'dave@dpomeroy.com'" <dave@dpomeroy.com>,  
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [109279] RE: BFO  
Message-ID: <01C15B38.476852C0.nkennedy@tcainternet.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Trying to remember how I did it when I had a Corsair. Think I just used the RIT. Tune in a signal for a 750 Hz note. Now adjust the RIT until the note is 440 Hz. Run with your RIT in that position as the "neutral" (no offset) position. Now when you tune in a station for a 440 Hz tone, you'll be on his frequency.

I know it wouldn't be that simple if your receiver couldn't be adjusted to "peak up" at that note. But if I remember correctly, you could use the passband tuning to peak up the desired 440 Hz note, so that wasn't a problem. If (again), I remember correctly you could even use the sharp CW filter on RTTY and peak up the 2150 Hz (I think) note in its passband.

72--Nick, WA5BDU

-----Original Message-----

From: Dave Pomeroy [SMTP:dave@dpomeroy.com]  
Sent: Monday, October 22, 2001 11:58 AM  
To: Low Power Amateur Radio Discussion  
Subject: BFO

I just got a new Tentec Corsair. It is a great rig for the money. The only problem I have is the offset is set at 750 hz and that is too high for me. It has a 9 Mhz bfo crystal. A switching network that switches in 3 separate caps to change the freq, 9.003 Mhz for lower sideband, 9.000 Mhz for upper sideband, and 9.00750 for CW. I want to lower the offset freq to 440 Hz. I called Tentec and the tech support fella said if I do that, I would need to change all of the filters. Its not clear to me why I would have to change the filters. I know you folks are the best tech people around. Can anyone shed some light on this? Thanks in Advance.

Dave Pomeroy K8DNP South Western Michigan

-----  
Date: Mon, 22 Oct 2001 21:25:33 -0400  
From: Radioham <radioham@home.com>  
To: <qrp-l@Lehigh.EDU>  
Subject: [109280] FS - Vibroplex & VHF Xcvr  
Message-ID: <5.0.2.1.0.20011022211417.00a227a0@netmail.home.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Vibroplex Dual Iambic Paddles - gray wrinkle base, black paddles and 2 "jewels" intact. Paddles are clean and in very good overall condition -



S/N 54241. Nice and heavy, won't wander on your table.  
\$85 shipped.

Pair of Radio Shack VHF FM Transceivers, model # 19-1202, 2 channels, 1 channel installed for 154.60 Mhz. Nicads take a charge and are in decent shape. With chargers, no manual. Open range about 1.5 miles, less indoors or with outdoor obstacles.  
\$75 shipped.

72/73,

Steve, N4EUK  
Reston, VA

-----  
Date: Mon, 22 Oct 2001 20:50:20 -0500  
From: "tmyers" <tmyers@AcademicPlanet.com>  
To: <sslyon@megalink.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [109281] Re: Want to keep CW!!  
Message-ID: <001701c15b65\$13ff2f80\$1600a8c0@newkid>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Seab, I agree. Things are tuff around 7.040, but it may not be any better elsewhere.

I just saw the FCC has questioned some amateurs for not following the ARRL band plan on 160M. Now I must ask who's band plans should be followed and who's ignored. I think the idea of a band plan is the domain of the FCC and everything else is up for grabs.

Being a QRPer means you are doing something different than the main stream so a different place is needed and the place may change often. I think the QRPer is much like the bicyclist. Allowed to go most anywhere except where most of the cars are (freeways/main stream).

By the way my K1 will have to be realigned to get above 7.1 and then it will be in an undesirable spot on 20M.

Better results may be had if the operations are moved to 30M. It seems the field is a little more level there. Of course that means the idea of a contest may be a problem. However a game may be in order.

There just needs to be one set of rules and everyone needs to follow them. I seems to me even the FCC is mudding the water. The FCC also has jurisdiction on matters of interference and can address that issue some what by establishing a band plan. Remember the current band plan is to allow CW everywhere on HF and no other mode has as much spectrum. It might mean a loss of CW spectrum.

OK the pot has been stirred a bit.

----- Original Message -----

From: ss lyon <sslyon@megalink.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Monday, October 22, 2001 12:05 PM

Subject: Want to keep CW!!

> I fully agree that something like a frequency change should be done,  
> even  
> tho it will be rough on the global scale. For those of us with limited  
> time  
> for radio, it's particularly daunting to encounter such an hostile  
> environment during that brief available time. We must keep up the  
> campaign  
> to improve "Considerate Amateur" awareness and compliance tho, in  
> order to  
> prevent the cancerous problem from overtaking wherever we move.  
> 73  
> AA1MY  
>  
> Seabury & Sharon Lyon  
> 99 Sparrowhawk Mtn Rd  
> Bethel, Me, 04217 U.S.A.  
> 207-836-2576  
>  
> Virus Protection by Norton and ZoneAlarm  
>

-----  
Date: Mon, 22 Oct 2001 22:06:32 -0400

From: "Bill, N4QA" <n4qa@hotmail.com>

To: qrp-l@Lehigh.EDU

Subject: [109282] Re: Couple of Questions

Message-ID: <F70NCVKhbMefeSWrlx400011773@hotmail.com>

Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Hi, Tim.

If you're talking close range between the demo table and the club stn, as in the same room/building, you should be able to get away with a dummy load and maybe a short piece of regular hookup wire connected to provide some radiation. This may even work over longer distances...

Sorry, I'm not qualified to answer your second question.

73.  
Bill, N4QA

-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

-----  
Date: Mon, 22 Oct 2001 22:15:44 -0400  
From: "Mark Sailer" <n2jtw@yahoo.com>  
To: "QRP\_L" <qrp-l@lehigh.edu>  
Subject: [109283] FS: MFJ-249 HF/VHF SWR Analyser  
Message-ID: <NFBKNOCLHLBPPIEBNEAEDKCKAA.n2jtw@yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

MFJ 249 HF/VHF SWR Analyzer  
Good working condition  
\$145 shipped

Email me directly if interested.  
Mark

-----  
Do You Yahoo!?  
Get your free @yahoo.com address at <http://mail.yahoo.com>

-----  
Date: Mon, 22 Oct 2001 19:53:01 -0700  
From: "Trevor Jacobs" <fxtech@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [109284] Re: Working with vaccum tubes  
Message-ID: <004b01c15b6d\$d7b96960\$28e5b3d1@tjacobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Everyone,

Yes, tubes are fun to play around with, but as several people have mentioned there are very high voltages involved. Be very carefull, especially when adjusting the biasing of finals and other things that you have to do with the rig on. Also, something I did, was to take some very long small flat blade screw drivers and cover the shaft with heat shrink tubing for when I have to make those adjustments. My old Johnson Viking II was a lot of fun to restore and modify, but it has in the nieghborhood of 700 VDC on the finals! Be carefull, I don't want to hear of anyone getting hurt. I was thinking of building a little cake pan TX for the FOX hunt this year, but haven't found the time. The nice thing about these old rigs is that they glow in the dark and keep the shack warm in the winter Hi!

72/73  
Trev  
KG6CYN

-----  
Date: Mon, 22 Oct 2001 22:54:11 EDT  
From: AC6JA@aol.com  
To: QRP-L@lehigh.edu  
Subject: [109285] SHACK CLEANING SALE!  
Message-ID: <67.1bae8782.290635d3@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I have the following for sale. All are in excellent working condition and look as new. All have the original boxes and manuals.

1. KENWOOD TH-D7A dual band ht with tnc, \$350. SOLD
2. ICOM IC-Q7A mini dual band ht with optional case and antenna, \$125.
3. KENWOOD TS-570S, hf/6m transceiver with optional 500hz CW filter and SP-23 speaker, \$900.
4. ICOM T81A quad band ht, 6m,2m,440, and 1.2! optional case and antenna,

\$250. SOLD

5. MIRAGE B-310-G 100w 2meter all-mode amplifier, \$150.

6. TEN TEC 1210 10m/2m transverter, \$125.

7. RADIO SHACK HTX-10 10m ssb/fm transceiver, \$100.

8. YAESU FT-100 160-440 transceiver, \$650.

Let me know if interested or have any questions.  
Shipping is included on all items.

Thanks!

Mike AC6JA

-----  
Date: Mon, 22 Oct 2001 21:49:45 -0500  
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [109286] Testing Again Tonight @0400Z  
Message-ID: <200110230249.AA00970@bolshoi.cc.misu.nodak.edu>  
Content-Type: text/plain  
Mime-Version: 1.0 (NeXT Mail 4.2mach\_patches v148.2)

Gang,

First off, kudos to K7FD, WB9IOG, N0RC, K0GXX, WB9LPU,  
and K50I for listening for me last night. Unfortunatelly, conditions  
weren't there, and I got only one "possible heard" from WB9LPU.

Anyhow, I'm going to try it again tonight @ 0400Z, between  
7.035 and 7.045, wherever I can find a clear spot. Also, will be running  
6W this time, so I might be a little more audible. :-) I'll be at it until  
0500Z, calling CQ and occasionally tuning around, looking for business.  
Hope I can get things sorted out with this 40m setup. I think I still  
have some antenna issues, but the TX does seem to be working,  
at least on the wattmeter... :-)

Any reports, QSOs, or whatever will again be most appreciated!  
Thanks to one and all!

72/73,

Todd, AG0T

-----  
Date: Mon, 22 Oct 2001 22:09:33 -0500  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [109287] RE: Working with vaccum tubes  
Message-ID: <01C15B46.3B775840.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

You don't find a lot of 120 V to 120 V isolation transformers out there.

One kinda neat way (I thought) of doing the isolation transformer thing was to use two identical low voltage transformers back to back, say rated 120 to 12 V, or 6.3 V or 5 V. Of course, they have to be rated for the watts the rig takes. But you'd hook them up (for example) 120 V to 12 V to 12 V to 120 V. You get back where you started, but with ground isolation.

72--Nick, WA5BDU

-----Original Message-----  
From: Dave Fouchey [SMTP:dafouchey@home.com]  
Sent: Monday, October 22, 2001 4:22 PM  
To: Low Power Amateur Radio Discussion  
Subject: Re: Working with vaccum tubes

The problem is Shawn that there is no input power transformer to provide isolation between the "hot" line feed and the chassis. The best approach would be to use an isolation transformer to provide such separation.

Good luck  
Dave  
WA4EMR/8

-----  
Date: Mon, 22 Oct 2001 21:13:38 -0600  
From: Earl Murphy <earlmurf@telusplanet.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [109288] Re: QRP RIGS FOR SALE  
Message-ID: <3BD4E062.176566CD@telusplanet.net>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Earl Murphy wrote:

>  
>  
> ---Small Wonder Labs (Green Mountain) GM-20, 20 Meter CW, c/w black  
> custom case, Blue Sky digital freq. read-out, internal speaker, 10 turn  
> pot, and RIT \$125 US --- STILL AVAILABLE  
  
> ---Norcal NC-20, 20 Meter CW, Stainlees Steel custom case, Blue Sky  
> digital freq. read-out, internal speaker, Tick keyer, CW annunciator,  
> RIT, 10 turn pot \$130 US ---STILL AVAILABLE  
>  
> ---Add Shipping to above units (aprox \$8.00/ unit)  
>  
> ---Pictures available, via internet if you are interested....  
>  
> 73/72.....Earl (VA6RF)

-----  
Date: Mon, 22 Oct 2001 23:25:01 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [109289] Re: PVC stiffening for loop supports  
Message-ID: <5.0.2.1.0.20011022225317.00abc700@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 04:46 PM 10/22/2001 -0500, Stuart Rohre wrote:

>Hi,  
>The problem of limber schedule 40 PVC poles for loop supports can be  
>successfully solved.  
>SNIP

I was thinking that one could piece together a lighter and stiffer mast  
with pine  
2X2s in the traditional triangular tower configuration. Or even !x!s, using  
drywall screws and a battery operated drill. I have used both PVC and wood  
for masts and wood wins hands down. For field day (infrequent) use plain  
old pine is great.  
For long term use pressure treated lumber and galvanized deck screws  
should last for years.

Getting antennas up high is one of my favorite things.  
The surplus tent guy tension adjusters are cool for a quick alignment.  
Onward through the fog es 73  
Pete NV4V

-----  
Date: 22 Oct 2001 22:33:02 EST  
From: Michael Goins <mgoins@usa.net>  
To: qrp-l@Lehigh.EDU  
Subject: [109290] Re: PVC stiffening for loop supports  
Message-ID: <20011023033302.21815.qmail@cpdvgl00.netaddress.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

Lowe's hardware sells 20 foot lengths of schedule 80 pvc pipe. I tried several  
in the store earlier today and found two sizes that were a close slip fit=  
=2E An  
overlap of a couple of feet, a couple of through bolts, and you have a sturdy,  
non-flexing, 38 foot mast. No one even looked at me funny as I tried the  
various 2 to 3" sizes to see what fit. =

-----  
Get free e-mail and a permanent address at <http://www.amexmail.com/?A=3D1=>

-----  
Date: Tue, 23 Oct 2001 03:32:35 +0100  
From: "TC Dufresne" <tdufresne@neb.rr.com>  
To: <qrp-l@lehigh.edu>  
Subject: [109291] Third stage---Check!!! (long)  
Message-ID: <013901c15b6a\$fa34a660\$89b41c41@neb.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Wow! I am so stoked. I wound the last trifiliar toroid last nite, hooked 'er  
in just a few hours ago. I rechecked the VFO (check), Set it to 2.135MHz,  
turned it off. Then I hooked up the 20-10dB switch a la QRPp article, then



wired in the RF gain, also a la QRPP article. (BTW, that wirebound version is very nice, if you haven't a chance to get it yet)

TIME TO TEST!!!!!!

Got out my HW-8, found 7.050MHz and locked it in, switched it off. I then fired up the Rat Shack DX-398 RCVR at 4.915MHz. I checked all connections to antenna leads, ground leads, and then re-checked. Check instructions...

I was trembling by now. Do you old homebrewers "smell what I am laying down?" (A la The Rock, pro-wrestler-it means "do you get my drift?")

OK, here goes.. Power to vfo and front end. No smoke, thats a plus... Wait!! I hear something, It sounds like a "praise the Lord station"....Maybe just a strong AM station.

OK OK Hit the key. Nothing!!! oh oh, what now!?!?! Lets see, power, antenna, dummy load, HW-8.....OOPS!!! I forgot to turn it back on!!!! Ok ok..... on it goes.... here's the key again....

HOOOOO-RAH!!! Thats me!!!!!! IT WORKS!!!! Its kinda faint, but thats me..I can tune it by tuning the VFO a bit and its better, a good 700-800 hz tone.

Wait, what did they say about the variable caps, TC1 and TC2??? OHHHH, I have to adjust those?!?!? OK OK where's the do-hickey.. Wow, I'm really trembling now... hehe, This is supposed to be relaxing! <grin>

Wow!! Its getting \_way\_ stronger... now my wife says "whats that noise?? I can't hear O'Reilly!!!".

C000L!!!! IT IS A-L-I-V-E!!!!!!!!!!!!

Ok ok, happy dance time.....!!

Whew.. OK, gotta catch my breath.... OK OK What now? It says connect the antenna to a 40 meter antenna and you should be able to tune in the 7 meter CW band... OK OK, gotta lug all the stuff back to the shack.... Take care now, wouldn't want a short now... I gotta get one of those "no-shorts me lady " things wired up to my power supply so I won't fry this thing on a test....

OK..... Back at the shack now, wife is now reading Free Republic on the 'puter, looks pretty serious, gotta be quiet.. Here is the antenna, now the ground from battery, now the power- WHATS THAT SOUND!!!!!! ITS C-O-D-E!!!! and its coming from the Radio shack DX-398.

Hey, it never sounded so good either.. OK OK Almost forgot my code.. There's a "CQ"!!.. Whats his call?!?!? I can't copy. I forgot code!! No

no,. the old brain kicks in-- here it is.."CQ CQ DE K9TJL" Wow! he's blowing my doors off..he should, he's in Illinois. (I am in Nebraska) Well, lets see if this old RF gain works... Hm, down she goes. Isn't "right" to increase gain? I turn right (clockwise) and it goes down.. How does that happen?? Oh well, details..

"Listen babe!!! Thats for real CW!" (She (the babe-AKA as the XYL) is not impressed, I am ecstatic....)

What about the dB switch... ok on-off-on..., yup, I notice the difference. Slight, but its there..

Well, I guess I should try to tune, huh? heheheh She works like a champ. Of course I knew it would (yeah right!) BTW, I guess I should apologise to the XYL for yelling her off her chair. She doesn't seem to share my excitement... Why IS that?!?! (grin)

Well, gotta get a few more stations for fun, wow. Hey!, theres a N5, that guy is WAAY too fast for this old newbie's ears. Hey, there's a Spanish speaking amigo, must be getting some SB too....This is too fun! whoa, did I hear a "LU" station?!?!? What is that? Argentina? H0000 RAHH!!

(sigh)

Well, guess thats about it. (stunning underestimation)

I really was happy when this one fired up. Those trifilar were a kick. Now, whats next.. Lets see, oh, Stage four, the filter, mixer, and IF amp. HMM, seem to remember a new filter design. Not too bad, T8 is a bifilar-no sweat. (grin) T7 is a transformer...Piece of cake (bigger grin)

I'll have to worry about that one another day. I can't go to bed, I'm too excited, can't work anymore, I'm worn out with happy dancing, but I'll check it out tomorrow when I come down from the high.

What a trip.

Stage four, here it comes. Thanks for reading all my ranting.....QRP IS fun radio, and doubly fun when its HMBRU.

72

Tom

KC0GX

-----  
Date: Mon, 22 Oct 2001 22:53:13 -0500

From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [109292] Re: Testing Again Tonight @0400Z  
Message-ID: <200110230353.AA01214@bolshoi.cc.misu.nodak.edu>  
Content-Type: text/plain  
Mime-Version: 1.0 (NeXT Mail 4.2mach\_patches v148.2)

Gang,

I'll be starting out around 7.036, which seems clear at the moment.  
Will call CQ for about 15 min., then go hunt around a bit. I'll probably  
come back to the same spot if I don't have any luck, and call CQ some  
more. Hope to hear you!

72/73,

Todd, AG0T

-----  
Date: Tue, 23 Oct 2001 00:03:16 -0400  
From: Joel M Denison <hamjoel@juno.com>  
To: qrp-l@lehigh.EDU, fpqrp-l@mpna.com  
Subject: [109293] freq change?  
Message-ID: <20011023.000542.-16561229.0.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

High y'all

well yes the bands are crowded and sometimes 040 can be tough to  
be around....

options:

change operating times

use better antenna if possible

use minimum power level required to compete with the qrm....0 to  
50 watts will usually do it..

we could try a new freq, but if we do, I would put it in the  
first 25 khz of forty meters....

maybe it could be seen as incentive for some of us to upgrade, it should  
produce less inteference and  
lots more dx....

At some point one needs to accommodate themselves... or be lost  
forever between competing forces...

some times in some places forty is useless to me  
at other times in the same places I have a ball...  
five watts can only give so big of a bang  
so if we're getting out banged....

kella joel  
in maine

-----  
GET INTERNET ACCESS FROM JUNO!

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<http://dl.www.juno.com/get/web/>.

-----  
Date: Mon, 22 Oct 2001 22:04:56 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,  
Low Power Group <qrp-l@LeHigh.EDU>  
Subject: [109294] Fox - 40 mtr Fox Hunt Teams -  
Message-ID: <Pine.LNX.4.33.0110222156271.10878-1000000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

....the latest Teams lineup!....more are welcome!.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -  
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

\*\*\*\*\*

- |  |  |
|--|--|
| (1) - The Cajun Thunder (Gold) -<br>Wayne - K5E0A<br>Jim - N5IB<br>Vern - AA50<br>Tom - AC5JH<br>Wayne - N5YFC | (2) - The Cajun Thunder (Purple) -<br>David - W5XU<br>Michael - KD5MLD<br>Bob - AB5ZD<br>Gloria - WD5CMA<br>Mike VI - W5YW |
| (3) - The NE-TX Tornados -<br>George - W5YR<br>Don - K5DW<br>Chuck - W5USJ<br>George - KR5C<br>Mike - KD5KXF   | (4) - The Raiders of the Lost RF -<br>Earl - VA6RF<br>Fred - VE3FAL<br>Rob - VE6JAZ<br>Dan - VE6EX<br>Bruce - VE5RC        |

(5) - The Swamp Rats -

Paul - K4FB

Jack - K4BYF

Tom - N1TP

Mac - AF4PS

Doc - K0EVZ

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272

A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -

- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 -

"QRP! How sweet it is!"

"I am da man wit "DAH" paddle!"

-----  
Date: Mon, 22 Oct 2001 22:22:10 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qrp-1@lehigh.edu  
Subject: [109295] FOX: Teams-- NOT too late!  
Message-ID: <3BD49C12.5650.2EB73EB@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

I've had a couple of messages from guys who said they would have liked to form or join teams, if only they had known about it in time.

Well guess what-- the official deadline for forming a team is 24 hours before the THIRD hunt.

That means you have until November 7th to form a team.

If you form a team after the first or second hunt, those pelts DO count for team members.

Just advise the name of the team, and the names and callsigns of the five members, to Bruce by

e-mail before 7pm on the 7th. Bruce's address is rattray@gpfn.sk.ca . There is no limit to the number of teams that can participate, so do some recruiting and join the fun!

73

Marshall Emm  
N1FN/VK5FN  
n1fn@MorseX.com  
Morse Express and Oak Hills Research  
"Everything for the Morse Enthusiast"  
<http://www.MorseX.com>  
<http://www.ohr.com>  
(303)752-3382

--

-----  
Date: Mon, 22 Oct 2001 23:22:37 -0500  
From: "George, W5YR" <w5yr@att.net>  
To: fxtech@earthlink.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [109296] Re: Working with vaccum tubes  
Message-ID: <3BD4F08D.A9A686BA@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I haven't followed this thread all that carefully, but I don't think that I have seen mention of probably the most basic and required tool for working around high-voltage circuits. Here, "high voltage" means anything above about 12-15 volts.

This indispensable tool that can contribute mightily to your longevity is the time-honored "shorting stick." Structurally, it consists of an insulated handle for you to grasp, a metallic shaft that is used to touch high-voltage points - beginning to sound like a screwdriver, eh? - and a clip lead connected to the shaft with a clip on the other end to attach to the chassis or an appropriate ground.

Use of the shorting stick is obvious from its name: when equipment is turned off, the shorting stick is touched to every point in the circuit that would normally be at high voltage. Its purpose is to discharge any filter or other capacitors that are still "hot" even with the primary power turned off.

So, three simple rules for staying alive:

1. Always keep one hand in your pocket when working on the equipment.
2. Never touch anything in the circuitry, even with power "off" until you

short every possible high-voltage point to ground.

3. NEVER, EVER, work on high-voltage equipment when you are tired or distracted.

Then and only then, it is safe to work with the equipment with your hands.

Many years ago, before most of you were born, the ARRL had a slogan "Switch to Safety" which emphasized always removing primary power before working on equipment. The second part of that campaign emphasized the religious use of a shorting stick. Another element was to equip the shack with a single primary power disconnect switch so that a family member could kill everything in the station before the station killed the OM.

All are still very good ideas. Those of us who have had the misfortune to experience high-voltage shocks first-hand tend to be very faithful followers of these procedures.

My "seeing of the light" came when I turned off a 750-volt plate supply to re-solder the high-voltage lead on the filter cap to the bleeder. I had the roll of solder in one hand and a 100-watt American Beauty iron in the other. When I touched the solder and the iron to the top of the bleeder, there was a big jolt and flash and the next thing I knew I was sitting on the floor, the roll of solder had been thrown through a sheetrock wall and the soldering iron was impaled in the wall. Your muscles do funny things when prompted by about 1100 volts! Yes - the bleeder had opened up and left the cap charged to the peak value of the transformer secondary voltage.

Things like that never happen with a shorting stick on the scene.

Oh, yes, that was the power supply for my first QRP rig: 40-meter 6L6 tri-tet crystal oscillator/doubler driving an 807 final on 20 meters at 750 plate volts. Why QRP? In my 16-year-old expertise, I could not load the 807 to more than about 15 ma, giving a plate input of about 11 watts. Figuring a reasonable efficiency, I might have gotten 5-6 watts out of the rig. I guess in 1946 that was close enough to "QRP." <:}

And, Trevor, if you can use a pair of 816 rectifiers in the power supply so you can watch them blink with the keying!

2/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6  
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262  
Amateur Radio W5YR, in the 56th year and it just keeps getting better!  
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Trevor Jacobs wrote:

>

> Hi Everyone,

>  
> Yes, tubes are fun to play around with, but as several people have mentioned  
> there are very high voltages involved. Be very carefull, especially when  
> adjusting the biasing of finals and other things that you have to do with  
> the rig on. Also, something I did, was to take some very long small flat  
> blade screw drivers and cover the shaft with heat shrink tubing for when I  
> have to make those adjustments. My old Johnson Viking II was a lot of fun to  
> restore and modify, but it has in the nieghborhood of 700 VDC on the finals!  
> Be carefull, I don't want to hear of anyone getting hurt. I was thinking of  
> building a little cake pan TX for the FOX hunt this year, but haven't found  
> the time. The nice thing about these old rigs is that they glow in the dark  
> and keep the shack warm in the winter Hi!

-----  
Date: Tue, 23 Oct 2001 00:45:38 EDT  
From: K5KW@aol.com  
To: qrp-l@lehigh.edu  
Subject: [109297] Re: Testing Again Tonight @0400Z  
Message-ID: <11b.63aeaed.29064ff2@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Todd, AG0T

I heard you here on about 7036 khz here in east-central Oklahoma as you were ending a previous contact about 0406Z tonight, and gave you a call. However, your signal was so deeply buried in the noise (with two pre-amps in line) that I could not tell whether you answered me or not. If you were running 5 watts or so, I suspect your antenna is still not right. Sorry we couldn't make a go of it.

72,

Don, K5KW

-----  
Date: Mon, 22 Oct 2001 22:12:57 -0700  
From: Wayne Burdick <n6kr@elecraft.com>  
To: Elecraft <elecraft@qth.net>  
Cc: Mike <mmorrow@companet.net>,  
Steve Lawrence <Steve.Lawrence@ITWFEG.COM>,  
Subject: [109298] 4-band K1 Q & A, part II  
Message-ID: <3BD4FC43.77D6F670@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii



Content-Transfer-Encoding: 7bit

We've had a few more questions about the new 4-band module, answered below.

73,  
Wayne  
N6KR

\* \* \*

Q: Is the 4-band filter board in any way a compromise or improvement in performance in the K1?

A: Performance is virtually identical in most parameters, including receiver sensitivity and dynamic range, current drain, and bandwidth. However, all 7 field-test units showed better power output than the average 2-band module: 7 watts out on 40/30/20 m and about 6 watts average on 17 or 15 m (with a 14-volt supply). Also, because of the 10-element elliptic low-pass filters, 2nd harmonic suppression is better. The two units I tested had 2nd harmonic levels of -50 dB or better on all four bands.

Q: Does the KFL1-4 kit come with the connectors for the KAT1?

A: Yes. We knew that buyers of the 4-band upgrade might have built two 2-band boards, using up the connectors supplied with the KAT1. So we included a new set of connectors for J1 and J2 on the Filter board. By the way, the KAT1 works great with the KFL1-4. For light-weight portable operation, a random wire antenna can be tossed into a tree and connected directly to the back of the K1. Small-gauge wire can be used (I use #26), and in many cases this "sorta-vertical" will outperform a low dipole. No feedline is required, although you may want to include a small, home-brew 1:1 or 4:1 balun to keep RF off the chassis. Use at least one radial, and preferably a few more. The ATU's L-network values are stored for all four bands, allowing instant recall on band change.

-----

Date: Tue, 23 Oct 2001 00:11:53 -0500  
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [109299] Test Results...  
Message-ID: <200110230511.AA01451@bolshoi.cc.misu.nodak.edu>  
Content-Type: text/plain  
Mime-Version: 1.0 (NeXT Mail 4.2mach\_patches v148.2)

Many thanks to W0CML, KJ0C, and N3PXF who all managed to work me. Signals on this end were all around 559, with moderate to strong aurora flutter. There were a couple other weak ones, way down in the noise who I could \*not\* pull out. Sorry 'bout that!

Also received a heard report from K5KW, who indicated I was barely above the noise in east-central OK. Given the level of AU on the guys I worked, I suspect the band wasn't in the best shape. Hopefully this solar stuff will get itself over with for Thursday's hunt! :-)  
I did see we had an X1.2 flare today, though. The particle crap from that will probably hit just about the time the hunt starts... :-/

Still have some antenna work to do, I think, as I can't get as good a match as I'd like on the vertical. I'll have to see what the story is there.

At any rate, thanks again to one and all for the help!

72/73,

Todd, AG0T

-----  
Date: Tue, 23 Oct 2001 01:25:58 EDT  
From: IamSF5@aol.com  
To: qrp-l@lehigh.edu  
Subject: [109300] Re: QRP RIGS FOR SALE  
Message-ID: <15c.2e04f92.29065966@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

<<  
> ---Norcal NC-20, 20 Meter CW, Stainlees Steel custom case, Blue Sky  
> digital freq. read-out, internal speaker, Tick keyer, CW annunciator,  
> RIT, 10 turn pot \$130 US ---STILL AVAILABLE  
> >>

How many watts of out does the rig have?

Bob

WA2HQrp <tm>

-----  
Date: Tue, 23 Oct 2001 02:09:23 -0400  
From: Pete Burbank <plburbank@kih.net>

To: qrp-1@lehigh.edu  
Subject: [109301] Fox teams,  
Message-ID: <5.0.2.1.0.20011023015300.00adc070@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

I wonder if we could wake up some of those old Kentucky coon hunters that lay under the porch.

I would make time for that one.  
The reward will be a 50 pound bag of "OL ROY"  
RUFF!  
73 Pete NV4V  
Near Lexington

-----  
Date: Tue, 23 Oct 2001 03:50:34 -0400 (EDT)  
From: George Gingell <k3tks@u1.abs.net>  
To: <N3A0@arrl.net>  
Cc: Mike Bryce <Prosolar@sssnet.com>  
Subject: [109302] Re: Solar Panels and Charge Controllers  
Message-ID: <Pine.BSF.4.33.0110230336100.30701-100000@u1.abs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Carter,

I know you have already received a couple of suggestions regarding your Battery Charging Question. I do not agree with all of them personally.

I am definately not an expert, although I do have a bit of experience in the practical application.

Here is my Suggestion, Go Right to the Horses Mouth, NO, not the other end: ^}

Mike Bryce, WB8VGE Will have the Correct Answer for you. He Makes the Micro M Charge Controller. While I don't personally have one, YET!

I will Definately Recommend it. If you want more information, Check out the October 2001 Issue of QST Magazine. Page 28 has his latest article and the Micro M+ Charge Controller.

An Excellent Article, I might add. There is even specific information included in the article on page 30 for Modifications to properly charge the NiCd battery on the New Yaesu FT-817. What more could you ask?

The Footnote also mentions Micro M, Sep 1996 QST, P41.

The Newest Micro M+ Kit is available for \$ 30.00 plus \$ 4.00 US Priority Mail. <www.seslogic.com/>

How's that for getting your answer ?

GL es CUL

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net  
Former QRP A.R.C.I. Net Manager and Board of Director Member.  
Gingell & Company, Ltd. Small Business Telephone Systems  
Commercial Locksmith Services (301) 572-6789 Office & Fax  
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117  
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1  
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -  
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

-----  
Date: Tue, 23 Oct 2001 04:37:41 -0400 (EDT)  
From: George Gingell <k3tks@u1.abs.net>  
To: QRP List <qrp-l@Lehigh.EDU>  
Subject: [109303] Re: PVC Antenna Supports (LONG)  
Message-ID: <Pine.BSF.4.33.0110230401090.30701-100000@u1.abs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I believe someone mentioned the well known problem of PVC Pipe Flopping around when trying to use it to support antennas.

Try this Tip:

Take a Piece of 2" PVC, Ten Foot long and Insert a Carefully Selected piece of 2" X 2" X 12-14 Foot Wood, (Fir, recommended. Just about anything will do as long as it is structurally intact and NO KNOTS).

It may take a little Planing on the edges to fit the Square Peg into the Round Hole, but the second part makes it worth the effort. You can Thread Your Coax or Feed Line up thru the inside of the PVC next to that nice dry Wooden Insulator. You can even Slip on a Tee Fitting and another length of PVC for the base. This allows you to bring the Feedline out to a nice Connector if you like. If this is part of a Field Day Mast, You can Put a 2" bit of PVC into the Tee and add a CAP with a BNC Connector for an Instant Antenna Connection to that QRP Rig on the Picnic Table.

You will need Some Nylon Rope Guys if you plan to add a second Ten Foot Section to the Mast. On the Ground end, it will depend on what the Terrain is like at your planned Field Operation location. The NF0R Method, is I believe to Use a Wooden Dowel predrilled to accept a Large Iron Gutter Spike. I forget the Name of the Antenna now, but It used either the "Black Widow" Crappie Rod, or the South Bend Rod.

On the Beach, A piece of Iron Pipe which is Cut off at a 45 degree angle on the bottom and sharpened a bit with a grinder or file will work nicely. I would redommend a Hole in it to allow one of those nice big gutter spikes to go thru it. You can also use a piece of Re-Bar. The idea is to make a Tee So that you can Stand on it to insert it in the Ground. It also makes it a lot easier to remove when the fun is over. The last ideas for the base are for where the Ground does not allow penetration, or where it is not allowed. (Parking lots and Roads) are good examples. There have been a few nice Metal Pipe and Flat Steel Plates Made to Park the Vehicle Wheel on top of to secure the Mast Base. Just make sure there is some

padding to protect the vehicle in case of movement sideways.

The Last Base is either a Wooden Platform with a Metal Flange and Iron Pipe attached. Here you just lay it on the ground and Slip the PVC Pipe over top of the Three foot Iron Pipe. If needed, Sand Bags or water buckets can sit on the edge of the platform to hold it down.

Another Version uses 5 Gallon Paint Buckets with Lids. The Platform is then a Round Wooden base with the Iron Pipe and Flange attached. This is inserted into the bucket. Water, sand, or gravel can be added for weight. When done, empty out the "Ballast" and use the buckets to store you Antenna Wire and Feeders.

O.K. Now you have all of my secret weapons. Well maybe not all, :^}

Have Fun on FD and Try something new...

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net  
Former QRP A.R.C.I. Net Manager and Board of Director Member.  
Gingell & Company, Ltd. Small Business Telephone Systems  
Commercial Locksmith Services (301) 572-6789 Office & Fax  
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117  
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Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -  
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Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

-----

Date: Tue, 23 Oct 2001 01:44:15 -0700  
From: "Trevor Jacobs" <fxtech@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [109304] Re: Working with vaccum tubes  
Message-ID: <00c601c15b9e\$e64f4680\$28e5b3d1@tjacobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

One thing that I forgot to mention to everyone, is that for the Tube enthusiast out there, there is a really good publication called "Electric Radio". It's a monthly publication put out by Barry N6CSW. It typically contains lots of information on tube rigs, along with mods and home brewing articles. Plus it profiles different Ham's Shacks and all sorts of interesting stuff. It also has a very good classified section if you are looking for a specific part or rig. Anyway, if you'd like more information, you can contact Barry at er@frontier.net . I think it runs about \$32 a year.

72/73  
Trev  
KG6CYN

----- Original Message -----  
From: George, W5YR <w5yr@att.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Monday, October 22, 2001 9:22 PM  
Subject: Re: Working with vaccum tubes

> I haven't followed this thread all that carefully, but I don't think that  
I  
> have seen mention of probably the most basic and required tool for working  
> around high-voltage circuits. Here, "high voltage" means anything above  
> about 12-15 volts.  
>  
> This indispensable tool that can contribute mightily to your longevity is  
> the time-honored "shorting stick." Structurally, it consists of an  
> insulated handle for you to grasp, a metallic shaft that is used to touch  
> high-voltage points - beginning to sound like a screwdriver, eh? - and a  
> clip lead connected to the shaft with a clip on the other end to attach to  
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> Use of the shorting stick is obvious from its name: when equipment is  
> turned off, the shorting stick is touched to every point in the circuit  
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> filter or other capacitors that are still "hot" even with the primary  
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>  
> So, three simple rules for staying alive:  
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> distracted.  
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> primary power disconnect switch so that a family member could kill  
> everything in the station before the station killed the OM.  
>  
> All are still very good ideas. Those of us who have had the misfortune to  
> experience high-voltage shocks first-hand tend to be very faithful  
> followers of these procedures.  
> My "seeing of the light" came when I turned off a 750-volt plate supply to  
> re-solder the high-voltage lead on the filter cap to the bleeder. I had  
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>  
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>  
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>  
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>  
> 2/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6  
> Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262  
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>  
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> Trevor Jacobs wrote:  
> >  
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found  
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dark  
> > and keep the shack warm in the winter Hi!

-----  
Date: Tue, 23 Oct 2001 05:15:59 -0400 (EDT)  
From: George Gingell <k3tks@u1.abs.net>  
To: QRP List <qrp-l@Lehigh.EDU>  
Subject: [109305] Re: Workingwith Vacuum Tubes  
Message-ID: <Pine.BSF.4.33.0110230440290.31915-100000@u1.abs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I should have changed the Subject to Working with Vacuum Tubes, SAFELY!

The FIRST Think You Should Learn When Working with Voltages That

Can KILL You !, Is NOT what to DO, but What NOT To DO.

Rule Number 1. Don't work on High Voltage Equipment with the Power ON!

Rule Number 2. See Rule # 1..

O.K., If you really must Violate Rule Number 1, At least Keep One Hand in your Pocket, do NOT Wear any Rings, Metal Watch Bands, Gold Chains around your neck, etc. (If I catch you , I will fire you! ) O.K. so you don't work for me.. If you don't follow the rules, you will have to pay the price..

Have a Safe Work AREA and Workbench.

1. GFI Protected Outlets, and a well Identified "Emergency Power Disconnect"

Notice that I did not just say Power OFF Switch.

2. An Indicator to show when the Power is On. (Assume that it is on when you are working.) The indicator is really for visitors.

3. Use an Isolation Transformer and Variac When ever working on "AC-DC" sets. Or anything that does not have a modern Grounded Plug. Not sure?, use the Isolation Transformer.

4. Do not work on HV at 3 A.M. after working all day and playing half of the night. "Don't Ask" :^}

5. Don't Draw ARCs off of that Plate Cap or Tank Coil with that long bladed screwdriver. (I know, I should have applied Insulating Coating to "Excaliber" before I delivered it.) You shouldn't be inside a H.V. cage with an 18" screwdriver anyway :^}

Last but not least Do Not Play in the Tank Circuit of a BC-610 with the

Power on and the Interlocks disabled ! Oh Yes! and Never Try to measure an unknown T.V. Power Transformer at 3 A.M. (800-0-800) No, That Ain't the time.

Have fun, Be safe, Live Long and QRPp lots.

Which reminds me, I say the neatest little Bottle Rig in an older issue of

SPRAT earlier tonight. I believe it was mentioned that the Idea came from RSGB Handbook 1961. 2 Tube DL93/3A4 Tx Pages 187-189 150 Vdc Plate and 3 Vdc Filaments. The rig was built by Johnny Apell, SM7UCZ (Sweden) Classic Wooden Base, But the Wiring was not visable. I assume the wood base was routed out. Really nice job. I thought a Nice Copper PCB on a Wooden Base would be nice also. Just thinking, I just got out of High School the year before that. Heck, I was playing with Uncle Sams VHF/UHF Radios about that time...

Good Night and Happy QRP Dreams to you all...

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net  
Former QRP A.R.C.I. Net Manager and Board of Director Member.  
Gingell & Company, Ltd. Small Business Telephone Systems  
Commercial Locksmith Services (301) 572-6789 Office & Fax  
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117  
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1  
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -  
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

-----  
Date: Tue, 23 Oct 2001 19:54:14 +1000  
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Cc: All the Flying Pigs <fpqrp-l@mpna.com>,  
"glowbugs@piobaire.mines.uidaho.edu"  
Subject: [109306] Return Loss Bridge  
Message-ID: <3BD53E46.35E9DEF5@integritynet.com.au>

MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: quoted-printable

A great number of people responded to my post.

My grateful thanks to everyone.

David felt this particular one from Jon covered his requirements (not the= only one BTW)

<snip>

Ian,  
was lucky and found the link to the page. Ham is HA8ET and his main page is at:

<http://www.pollak.sulinet.hu/www/radio.html>

The return loss bridge is at:

<http://www.pollak.sulinet.hu/www/..elektro/hidak/hidak.htm>

But take care when trying to follow the links or to download. Some of the slash bars are MS-DOS style and do not work... When you change the bar, it works.

Hope it helps.

Be well

</snip>

72/73's

Ian Purdie

"I believe Australia is the best address on earth"

Budgewoi N.S.W. Australia - Co-ords S33=B014', E151=B034'

My FREE Newsletter: <http://www.electronics-tutorials.com/subscribe.htm>

VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 FP#91

URL - <http://www.electronics-tutorials.com/>

-----  
Date: Tue, 23 Oct 2001 04:15:58 -0600  
From: "Francis Callahan" <colcal@srv.net>  
To: <QRP-L@Lehigh.edu>  
Subject: [109307] Small Reciever  
Message-ID: <004101c15bab\$b621fae0\$69de070c@callahan>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I am looking for a small reiever either built or in a kit to use with my TT2  
Thanks Cal KF7ET

-----  
Date: Tue, 23 Oct 2001 06:23:26 -0400  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [109308] Subject: OT: Scrambled Intruders:  
Message-ID: <20011023.062626.-222465.1.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

" . . . I often here scrambled (encrypted) stations . . . "

" . . . scrambling mechanism. It always sounds like I'm  
listening on the wrong sideband . . . "

" . . . agreed that it was \*\*COULD\*\* most likely an illegal intruder . .  
."

" . . . stations have been heard on 40m and 30m . . . " \*\* and other  
bands \*\*

VOICE DESCRAMBLER - descrambles band-inveterd voice transmissions  
at >><http://iz8bly.sysonline.it/><< as follows :

"This program descrambles band inverted encrypted transmissions, usually  
found on VHF/UHF. It uses a NCO (numerical controlled oscillator) to  
re-produce the originally inverted audio band. Use it only if legally  
permitted in your country. I assume no responsabilities deriving from its  
use. Standard disclaimer applies."

\*\*My disclaimer, I assume no responsabilities deriving from its use \*\*

\*\*John\*\*  
N3AAZ  
FM 19 xa

-----  
GET INTERNET ACCESS FROM JUNO!  
Juno offers FREE or PREMIUM Internet access for less!  
Join Juno today! For your FREE software, visit:

<http://dl.www.juno.com/get/web/>.

-----  
Date: Tue, 23 Oct 2001 03:47:57 -0700 (PDT)  
From: Bill ROWLETT <kc4atu@yahoo.com>  
To: tmyers@AcademicPlanet.com,  
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [109309] Re: Want to keep CW!!  
Message-ID: <20011023104757.95880.qmail@web14202.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

When you get right down to it, the problem we have on 40 meters and the other bands with the QRM of the calling freq. is one of people not using their ears. Those of us who have been around for a while have done a poor job of teaching proper operating to the new comers. So the next time a psk or ritty station sets down on top of you, some of the blame belongs to us all, as well as yourself. These things need to be part of the local clubs programs and teaching programs. Good operating is learned.

The band plans were set by the ARRL and its members. These were done some time ago and changes are in order. Some of these are being looked at for the 80, 40, 15, and 10 meter bands. Send in your ideas and comments. Its like voting, if you don't, don't complain about what you get.

Back to the hole

73, Bill KC4ATU

PS, I sign my post, why don't you

-----  
Do You Yahoo!?  
Make a great connection at Yahoo! Personals.  
<http://personals.yahoo.com>

-----  
Date: Tue, 23 Oct 2001 13:08:09 +0200  
From: "Ingo, DK3RED" <dk3red@t-online.de>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [109310] Re: Small Reciever

Message-ID: <3BD54F99.BB8C5FCD@t-online.de>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello Cal,

> I am looking for a small reiever either built or in a kit to use with my TT2

First: MRX

MRX from Mike (K04WX) published in QRP Quarterly January 2001  
TT2 + MRX from the Red Hot Radio pages  
(<http://www.redhotradio.com/MRX40TT2.html>)

Second: CSS

CSS Receiver from the Iowa QRP Club (<http://www.qsl.net/kq0rp/css.html>)  
also published in QRP Quarterly April 2001

--

72/73 de Ingo, DK3RED ( Don't forget: the fun is the power ! )  
dk3red@t-online.de - [www.qsl.net/dk3red](http://www.qsl.net/dk3red) - [www.t-online.de/~dk3red](http://www.t-online.de/~dk3red)

-----

Date: Tue, 23 Oct 2001 12:32:01 +0100  
From: Euramcom <[mel@euramcom.freemove.co.uk](mailto:mel@euramcom.freemove.co.uk)>  
To: <[qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)>  
Subject: [109311] Intruders - a question?  
Message-ID: <E15vzo7-0005Qe-00.2001-10-23-12-33-20@mail11.svr.pol.co.uk>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Hi Gangue,

I've often wondered about whether or not an intruder or other=  
station  
using some form of encryption can "hear" a plain vanilla=  
transmission  
or not?

In other words, does their receive (the intruder) encryption=  
stuff  
(software or whatever) attempt to un-encrypt a plain message if=  
it  
hears it, or do they hear/receive it in plain?

Just curious you understand . . . .THINKS! RTTY and a big burner=  
with  
a load of RY's . . . . although that's not the ham spirit chaps!

Regards

Mel

--72 and 73 de Mel Evans, e-mail mel@euramcom.freeserve.co.uk

Mel Evans GM6JAG Edinburgh Scotland  
Home of the last HW9

Visit <http://www.euramcom.freeserve.co.uk> for  
US Euro Ham Radio Equivalent Parts and info,  
Add-a-Link page let's you add your own pages instantly

-----  
Date: Tue, 23 Oct 2001 13:34:46 +0200  
From: "Ingo, DK3RED" <dk3red@t-online.de>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [109312] Re: Return Loss Bridge  
Message-ID: <3BD555D6.313A487E@t-online.de>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello Ian,

> The return loss bridge is at:  
> <http://www.pollak.sulinet.hu/www/..elektro/hidak/hidak.htm>

I read already one while the messages over the return loss bridge, so that  
I now interests click on the posted link. Ooh (shock)! It was a Hungarian,  
which published an article in a German (!!!) magazine. I could not believe  
it, so I run into the cellar and read the issue again off-line as hardcopy  
immediately. Great. Thank you and all others too for the memory aid. ;o))

--  
72/73 de Ingo, DK3RED ( Don't forget: the fun is the power ! )  
dk3red@t-online.de - [www.qsl.net/dk3red](http://www.qsl.net/dk3red) - [www.t-online.de/~dk3red](http://www.t-online.de/~dk3red)  
-----



Date: Tue, 23 Oct 2001 05:54:35 -0600  
From: William R Colbert <w5xe@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [109313] Subject: OT: Scrambled Intruders:  
Message-ID: <20011023.055438.-192991.0.w5xe@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Just a little sidenote to scrambled intruders on 80/40 - a lot of them are the police agencies I mentioned in an earlier post - some appear to be the ranch phone systems, and are a voice inversion system. Thanks to Congressperson Billy Tauzin and others, the Electronic Communications Privacy Act of 1984 as amended makes it illegal for any U.S. citizen to attempt to or to descramble any voice privacy or other cipher system. This also applies to law enforcement agencies as well unless they are in possession of a warrant to conduct such activity. All promulgated by the cellular industry of some years ago and the monies proffered by the narco traffickers to keep their activities private from the general public.

Ray

"The more I see of the representatives of the people, the more I admire my dogs." letter from Count d'Orsay  
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2R  
FP# 111, SOC#78, ARCI 5784, El Paso, (FAR WEST) TEXAS

-----  
Date: Tue, 23 Oct 2001 08:06:11 -0400  
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>  
To: <colcal@srv.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [109314] RE: Small Reciever  
Message-ID: <GCECIJFJPOHMCKACOA0BKECGCPAA.jakecart@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Cal KF7ET:

Here's some info on Direct Conversion receivers you can build. I use mine, and my scratch-built Tuna Tin, as my everyday station.

I built a couple Neophytes -- one from scratch, Manhattan-style and one using the FAR Circuits printed board. My scratch-built Neophyte is at <http://sites.netscape.net/jakeycarter/neophyte>

The FAR Circuit board is easier to build and the final product is a lot smaller. FAR Circuits is at <http://www.cl.ais.net/farcir/receiver1.htm>

The Neophyte QST article is available from the ARRL Technical Information Service at <http://www.arrl.org/tis/info/pdf/28814.pdf>

If you want to try an inexpensive kit, the Ten Tec "Any Band Receiver" is a good choice. Its at <http://www.tentec.com/tkit.htm/#model1056>

BTW, I have a few mods for the Tuna Tin on my Tuna Tin web page is at URL: <http://pweb.netcom.com/~jakecart/TT2.html>

Good Luck,

Jake -- N4UY

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Francis Callahan  
Sent: Tuesday, October 23, 2001 6:16 AM  
To: Low Power Amateur Radio Discussion  
Subject: Small Reciever

I am looking for a small reiever either built or in a kit to use with my TT2  
Thanks Cal KF7ET

-----  
Date: Tue, 23 Oct 2001 06:33:23 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: <qrp-l@lehigh.edu>  
Subject: [109315] 40 meters  
Message-ID: <Pine.LNX.4.33.0110230626100.1426-100000@cannac.fun>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Last winter I was sorry the poor Cub Foxes had to run in the alley with the big Broadcasters 7.1 to 7.15. But it was found that with careful selection you can find a place that works well up there. I have been listening to 7.040 and it's the National Tune Up frequency, for Mexican

phone, and World Wide RTTY.

We need to do something to correct this problem. I suggest that you who have high power, a full 5 watts, get on 7040 and talk. And have several QSO's going on in the immediate area. I will help by calling CQ around 7040 about 0200Z most days.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.qsl.net/k5di/>

-----  
Date: Tue, 23 Oct 2001 08:40:43 -0400  
From: John Mckee <JMckee@rfmd.com>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [109316] IF you want to keep CW - read this  
Message-ID: <0F9390B0854ED41180050004ACE6E0E5016E1624@mail2.internal.rfmd.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

I've noticed 40 meters being difficult at times too. Been spending more time on 30 meters. Lots of room, low QRM, and the activity level is increasing. Plenty of good CW QSOs and DX. A lot of nice people have been showing up there.

-----  
Date: Tue, 23 Oct 2001 06:43:32 -0600  
From: "Rod N0RC" <rod@n0rc.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,  
"Elecraft-list" <elecraft@qth.net>  
Subject: [109317] Online Solar Physics Book  
Message-ID: <007701c15bc0\$53886260\$6401a8c0@c919125b>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Folks,

Here is an interesting on-line book on solar physics and phenomena:

The Online Space Physics Textbook of the University of Oulu [Finland]

<http://spaceweb.oulu.fi/~reiho/publications/aguf98abs.html>

The actual book is here:

<http://www.oulu.fi/~spaceweb/textbook/>

>From the webpage:

"This service is divided into four sections (Plasma physics, Regions of interest, Phenomena of interest, Space physics instrumentation and analysis methods) and Appendices, each of which contain several pages...."

73, Rod NØRC  
Ft Collins, CO

-----  
Date: Tue, 23 Oct 2001 08:58:55 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: w5xe@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [109318] Re: 3560 intruders  
Message-ID: <3BD5698F.25D7848D@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Bill,

I guess the users don't care if they are interfering with others, and why should they? They are using an inherently short range radio system for communications between boats and to shore. Consider that the range of an 80 meter signal, in daylight, is usually only a few hundred miles, at best, with a whip antenna!

However I would not suspect that the guy in West Virginia was hearing Japanese or Korean fishing boats. He was probably hearing Mexican or other Caribbean nations fishing boats. The path is much more likely. In any event, they use them, and will continue to use those frequencies, whether we gripe or not! There side says making a living is more important to them than our hobby use!

A little known fact is that Swan, and probably other manufacturers, made

crystal controlled radios for use in emerging nations. Their use was as the telephone system in Central America! These were crystal controlled versions of Swan 350's!

73

-----  
Date: Tue, 23 Oct 2001 07:12:37 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: William R Colbert <w5xe@juno.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [109319] Re: Subject: OT: Scrambled Intruders:  
Message-ID: <Pine.LNX.4.33.0110230711360.1610-1000000@cannac.fun>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

There must be someone manufacturing the radios. Find out who it is and send in the Marshal.

On Tue, 23 Oct 2001, William R Colbert wrote:

> Just a little sidenote to scrambled intruders  
> on 80/40 - a lot of them are the police agencies I mentioned  
> in an earlier post - some appear to be the ranch phone  
> systems, and are a voice inversion system. Thanks  
> to Congressperson Billy Tauzin and others, the  
> Electronic Communications Privacy Act of 1984  
> as amended makes it illegal for any U.S. citizen  
> to attempt to or to descramble any voice privacy  
> or other cipher system. This also applies to law  
> enforcement agencies as well unless they are  
> in possession of a warrant to conduct such activity.  
> All promulgated by the cellular industry of some  
> years ago and the monies proffered by the narco  
> traffickers to keep their activities private from the  
> general public.  
>  
> Ray  
> "The more I see of the representatives of the people,  
> the more I admire my dogs." letter from Count d'Orsay  
> Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2R  
> FP# 111, SOC#78,ARCI 5784, El Paso,(FAR WEST)TEXAS  
>

--  
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.qsl.net/k5di/>

-----  
Date: Tue, 23 Oct 2001 09:11:50 -0400  
From: "Ronald A Pfeiffer" <Ronald\_A\_Pfeiffer@raytheon.com>  
To: neqrp@jona1.net, qrp-1@Lehigh.EDU  
Subject: [109320] New England QRP SSB NET tonight at 7:30EDT 7.285Mhz +- 5Khz  
Message-ID: <0FE9B3B4AC.BFF70B01-0N85256AD3.004D433C@and.us.ray.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=us-ascii

The New England QRP SSB NET meets every Tuesday  
at 19:30 EDT on frequency 7.285Mhz plus/minus 5 Khz.

Net Control-N1ZSW Ron.Worcester,MA using K2@10W still attic window

Last weeks checkins:

WA10HR	Ev	Windham,CT	IC756@5W	Let us know how the NJQRP
Islander works out.				
K1CWZ	Spi	Nashua,NH	TR7@10W	40m dipole
AA1MY	Seab	Bethel,ME	706MKII@5W	Good luck with new
chain saw.				
K1SWL	Dave	Colchester,CT		
KC1FB	Jim	Norwalk,CT	FT7@4W	Zepp
W1XV	Brad	Bow,NH	K2@4.5W	40M dipole@50'
Great sound with Heil mic.				
KE4IZH	Rick	Chesapeake,VT	FT817	40' inverted Vee
AL0A	Greg	Windham,ME	Argosy II	Hope you find the
hum problem				
WB2EWU	Bob	Kennedy,NY	K2	Dipole
K1RC	John	Dracut,MA	FT920	Cfeed Zepp

Be listening for you all.

Ron - N1ZSW

-----  
Date: Tue, 23 Oct 2001 07:39:58 -0600  
From: William R Colbert <w5xe@juno.com>

To: qrp-1@lehigh.edu  
Subject: [109321] Re: Subject: OT: Scrambled Intruders:  
Message-ID: <20011023.074000.-192991.1.w5xe@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Bruce the vessels I spoke of may not necessarily be fishing type - I used that as an example - perhaps poorly, but the container ships and others that use Asian crews ply the east and gulf coasts and are often heard.

Not only Swan (Cubic) but also Ramsey, Yaesu and a number of others made radios available. The Ramsey transceivers were primarily 80 or 40 meter crystal controlled ssb 20 watt units designed for local usage in undeveloped countries. In areas where there is no phone service, radio is the only way, and there are many areas where even cellular is not viable. Sat phones are expensive so radio is cheap, relatively speaking and with a no enforcement attitude of some countries, any frequency is open to them.

I did a report for DEA Headquarters in the late 80's showing how Swan (Cubic) had a phenomenal sales of Astro 150/151 transceivers and most that we seized were traced thru a well known amateur dealer in the Miami area. However, since there is no proof of license law in this country for selling or possessing transmitting equipment, people would show up at this dealer with paper sacks full of money and take up to a dozen radios at a time. Some countries do have a law against possessing radio transmitting equipment without a license and some succes was had in getting some confiscated. All cash sales, no records. And these later turned up on ham bands (some still do) and as the JA all frequency brands became more available, those started to show up as well. A great number of the ranch radios that were made and sold commercially, particularly in this area, were in the 5.1 to 5.3 mc areas - could present some problems for the newly proposed 5 mc amateur band.

73  
Ray

-----  
Date: Tue, 23 Oct 2001 09:55:06 -0400  
From: "carl seyersdahl" <carlseye@tampabay.rr.com>  
To: <w5xe@juno.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [109322] Re: Subject: OT: Scrambled Intruders:  
Message-ID: <009501c15bca\$53014c80\$2e211c18@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

At one time in the past there was a proof of license law in this country, at least that was what I was told by the fcc, but then that was a few years back. If it was changed I 'm not aware of it. If it was in fact changed then the fcc made a MAJOR boo-boo.(like they did with CB) If it never was a law it darn well should be.You can thank our congress for reducing the budget of the fcc to the point they can barely operate!!!!

carl / kz5ca

----- Original Message -----

From: "William R Colbert" <w5xe@juno.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Tuesday, October 23, 2001 9:39 AM  
Subject: Re: Subject: OT: Scrambled Intruders:

> Bruce the vessels I spoke of may not necessarily be  
> fishing type - I used that as an example - perhaps poorly,  
> but the container ships and others that use Asian  
> crews ply the east and gulf coasts and are often heard.

>

> Not only Swan (Cubic) but also Ramsey, Yaesu and  
> a number of others made radios available. The Ramsey  
> transceivers were primarily 80 or 40 meter crystal  
> controlled ssb 20 watt units designed for local  
> usage in undeveloped countries. In areas where  
> there is no phone service, radio is the only way,  
> and there are many areas where even cellular  
> is not viable. Sat phones are expensive so  
> radio is cheap, relatively speaking and with a  
> no enforcement attitude of some countries,  
> any frequency is open to them.

>



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> that we seized were traced thru a well known amateur  
> dealer in the Miami area. However, since there is no  
> proof of license law in this country for selling or possessing  
> transmitting equipment, people would show up at  
> this dealer with paper sacks full of money and take  
> up to a dozen radios at a time. Some countries do  
> have a law against possessing radio transmitting  
> equipment without a license and some succes was  
> had in getting some confiscated. All cash sales, no records.  
> And these later turned up on ham bands (some still do)  
> and as the JA all frequency brands became more available,  
> those started to show up as well.  
> A great number of the ranch radios that were made and sold  
> commercially, particularly in this area, were in the 5.1 to 5.3 mc  
> areas - could present some problems for the newly proposed  
> 5 mc amateur band.  
>  
> 73  
> Ray  
>  
>  
>  
>  
>  
>

-----  
Date: Tue, 23 Oct 2001 08:54:32 -0500  
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>  
To: "'w5xe@juno.com'" <w5xe@juno.com>,  
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [109323] RE: 3560 intruders & 40M "Intruders"  
Message-ID:  
<E78D8A9D6762D411B5440008C791D4AA0C1E7D52@dfwex03.allegiancetelecom.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Forty meters suffers the same kind of what might  
be called "intruders" - commercial broadcast and  
European hams who are restricted in frequency  
(band) coverage).

Please don't lump them all into the same category,

guys..... they are there legitimately.

Karl K - W8TIF  
McKinney, Texas

-----Original Message-----

From: William R Colbert [SMTP:w5xe@juno.com]  
Sent: Monday, October 22, 2001 1:57 PM  
To: Low Power Amateur Radio Discussion  
Subject: Re: 3560 intruders

In many parts of the world, 80 meters is a shared band, with mobile systems, i.e. ships, aircraft, etc allowed to operate. some of the ssb stations you hear around 3560 have in the past been fishing boats with either Japanese or Korean operators. They continue to operate in this region just as if they were at home, and I guess for the most part, don't care who it bothers. There used to be a Jamaican short station on 3535 as well as a couple of British shore stations around 3540. Out in this part of the world, many Mexican stations; police, Federales, Madrinas, smugglers, ranch to ranch.

73

Ray

"The more I see of the representatives of the people, the more I admire my dogs." letter from Count d'Orsay  
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2R  
FP# 111, SOC#78,ARCI 5784, El Paso,(FAR WEST)TEXAS

-----  
Date: Tue, 23 Oct 2001 09:56:18 -0400  
From: "Kwik, Ed " <ed.kwik@delphiauto.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [109324] RE: IF you want to keep CW - read this  
Message-ID:  
<9F176F70FD71AC48AFC36F879D2B84E38F35F9@tryexch01.NorthAmerica.DelphiAuto.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

John,

Yes. 30 meters is great. I put up vertical loop for 30 last spring and been spending most of my time there. It has DX, QRPers and rag chewers . I think that is part of the problem on 40. It's too easy right now to use 30 meters or 20 meters when things get tough on 40. So we (and I am guilty as any) leave 40 for the other modes to enjoy. They fill the void when we

leave and after a while they start to feel that it's their frequency. It is just natural to do so. I wonder how well the start of the Fox season will go. I predict a lot of grumbling about QRM. There is a simple solution. If we keep the QRP activity high on any 40 meter frequency for 24 / 7, the other modes will stay away. That means every night some thing QRP is happening on 7.040. Here is what we got now:

Mon - First Mon of the month Spartan Sprint  
Tue - Fox  
Wed -  
Thus - Fox  
Fri -  
Sat - Occasional QRP contest  
Sun - Occasional QRP contest

There may be more. If there is let me know and I will redo the list and send it out. Can we fill in the blanks with QRP activities so that there is always some sort of QRP activity on 7.040? How about a things like a K2 night once a month? Add the other popular rigs like K1, HW7, HW8, HW9, SWL40, SST, and et al. Why not a net on 40 once a week? Each of the major QRP clubs takes a turn as net control. I will right now volunteer as the net control for the Michigan QRP Net to do a turn. What about NorCal, NOGA, New Jersey, ARCI, and all the rest? Let me know and I will try to coordinate all the activity.

Ed Kwik AB8DF Waterford, MI

-----Original Message-----

From: John McKee [mailto:JMcKee@rfmd.com]  
Sent: Tuesday, October 23, 2001 8:41 AM  
To: Low Power Amateur Radio Discussion  
Subject: IF you want to keep CW - read this

I've noticed 40 meters being difficult at times too. Been spending more time on 30 meters. Lots of room, low QRM, and the activity level is increasing. Plenty of good CW QSOs and DX. A lot of nice people have been showing up there.

-----  
Date: Tue, 23 Oct 2001 08:02:50 -0600  
From: William R Colbert <w5xe@juno.com>  
To: Karl.Kanalz@allegiancetelecom.com, qrp-1@lehigh.edu  
Subject: [109325] Re: 3560 intruders & 40M "Intruders"  
Message-ID: <20011023.080251.-192991.2.w5xe@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

No, not at all Karl. The ones of which I speak use such calls as Tiburon or Puma or Gordo and talk about bringing the goodies to the fiesta, etc. Now they are using voice inversion systems, but some have been heard in recent months with the more sophisticated synchronized military vp systems (old U.S. stuff maybe?) And when using plain voice, lack of procedures, calls, bird whistles for call up, etc.

73  
Ray

-----  
Date: Tue, 23 Oct 2001 10:13:00 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: k3tks@u1.abs.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [109326] Re: Workingwith Vacuum Tubes  
Message-ID: <3BD57AEC.23C00888@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Just a quick comment on Danny's message. The rules he sets out used to be standard in the electronics industry. The advent of transistors sort of changed the emphasis a bit. People were no longer concerned about being electrocuted by high voltages so the gradually stopped paying attention to what they were doing. They often forgot that current can also kill! Ever seen a finger burned off because someone wearing a wedding ring got it caught across an unlimited current 12 volt supply? And now we see manufacturers using higher voltage output transistors in their rigs. They are more efficient! A 38 volt final is out there and some day it will also come to QRP!

Examine your shack and your work area. Make sure nothing can accidentally send you to the hospital! Remember, most 12 volt supplies start at 115 volts AC. A bad plug can also kill you! Don't check anything with the power on unless you absolutely have to! Keep one paw in you pocket while testing with the power on. An accident may leave you with only one paw!

This is serious stuff!

73  
-----

Date: Tue, 23 Oct 2001 09:23:00 -0500  
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>  
To: "'w5xe@juno.com'" <w5xe@juno.com>,  
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [109327] RE: Subject: OT: Scrambled Intruders:  
Message-ID:  
<E78D8A9D6762D411B5440008C791D4AA0C1E7D56@dfwex03.allegiancetelecom.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

"The Law", Ray, may be a "law", but what are "ranch phone systems" or other non-authorized stations doing in the 80/40M amateur bands? Yes, there are in-deed "shared users", but aren't some of those "special users" tertiary to amateur usage?

Karl K - W8TIF  
McKinney, Texas

-----Original Message-----  
From: William R Colbert [SMTP:w5xe@juno.com]  
Sent: Tuesday, October 23, 2001 6:55 AM  
To: Low Power Amateur Radio Discussion  
Subject: Subject: OT: Scrambled Intruders:

Just a little sidenote to scrambled intruders on 80/40 - a lot of them are the police agencies I mentioned in an earlier post - some appear to be the ranch phone systems, and are a voice inversion system. Thanks to Congressperson Billy Tauzin and others, the Electronic Communications Privacy Act of 1984 as amended makes it illegal for any U.S. citizen to attempt to or to descramble any voice privacy or other cipher system. This also applies to law enforcement agencies as well unless they are in possession of a warrant to conduct such activity. All promulgated by the cellular industry of some years ago and the monies proffered by the narco traffickers to keep their activities private from the general public.  
Ray

-----  
Date: Tue, 23 Oct 2001 10:22:36 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <carlseye@tampabay.rr.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [109328] Re: Subject: OT: Scrambled Intruders:  
Message-ID: <001301c15bce\$571d1980\$6501a8c0@INSYDENT>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I've NEVER heard of a 'proof of license' law from any reputable source. But I hear it bandied about all the time as if it were. Maybe in the 50's or earlier, but never in any timeframe that I became aware of.

First off, I personally think it's a dangerous precedent if it were to be a law. As HAMS, we can build our own gear. Just imagine how a 'proof of license' would affect certain parts!

Or, we take other service gear and convert (or from a legal/technical point of view we just use it as 'parts'. Who really cares if we take an individual transistor, or a circuit board, or the whole darn device, right?) it to make it into HAM gear. Think of the impact to this practice if suddenly we were faced with restrictions on possession of another services gear? Think HAMS would get an exemption? I don't think so! Maybe 'after the fact', but it would dry up all the conversion material sources except for 'salvage companies' real quick.

In that regard, I think any attempt at a 'proof of license' law to possess or buy is ill-conceived and narrow minded, and has no considerations for the eventual impact of it's possible implementation. It ASSUMES guilt before any action, and that technically in my mind violates all kinds of principles.

On another aspect of this, I object on personal grounds. When I got the bug in 1981, I picked up a Swan 500C just to listen. That was my incentive to get my ticket. That was how I listened to code practice. Can you imagine the impact, especially to 'potential' CW people, if they were restricted from buying transceivers until AFTER they got their license? Come on now, REALLY think that through.

After the Swan, when I passed my novice and the paperwork was 'in the mail', I bought a Kenwood TR-2400 as my incentive to get off my behind and get over to the FCC office to take my upgrade. This was back in the days you had to travel and take the test in front of a real FCC employee! Again, think of the ramifications of such a rule about 'purchase'.

Then, over the years, I've gotten HAM gear as gifts. Including at one

point an Alinco dualbander for my car. How the heck could that happen if there were 'proof of license'?

Now, I realize there are dealers out there that say "Sold only..." and if that is their choice on how to do business, that is up to them. But in my mind that's not a dealer I want to do business with. And I won't. And I haven't.

Mike

----- Original Message -----

From: carl seyersdahl <carlseye@tampabay.rr.com>

> At one time in the past there was a proof of license law in this country, at  
> least that was what I was told by the fcc, but then that was a few years  
> back. If it was changed I 'm not aware of it. If it was in fact changed then  
> the fcc made a MAJOR boo-boo.(like they did with CB) If it never was a law  
> it darn well should be.You can thank our congress for reducing the budget of  
> the fcc to the point they can barely operate!!!!  
> carl / kz5ca

-----  
Date: Tue, 23 Oct 2001 08:25:45 -0600  
From: William R Colbert <w5xe@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [109329] Re: Intruders - a question?  
Message-ID: <20011023.082549.-192991.3.w5xe@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Yes Mel, most of the encryption systems can hear a plain voice or other mode signal on their frequency. It is set up that way so the stations in the net can hear the others that forget to go encrypted or have a malfunctioning set. So most are fully aware of other traffic on the frequency. Military nets are admonished to ignore all attempts to call or have them move - their frequency monitor offices tell them they can operate anywhere. And they usually do and when the

frequency coordination office is approached about the usage of ham frequencies the response is: "OH, can't talk about that - classified info". The non-military intruders usually just either put up with the ham qrm or stop til it goes away.

73

Ray

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"

"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC#3618, SOWP#1064M SOC#78  
fp #111 ARCI-5784 NCT2R El Paso, (FAR WEST) TEXAS

-----  
Date: Tue, 23 Oct 2001 10:32:11 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: w5xe@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [109330] Re: Subject: OT: Scrambled Intruders:  
Message-ID: <3BD57F6B.CAEDD6E7@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Bill,

I am aware that container vessels and others use the frequencies. Swan built most of its "telephone" system radios back in the 60's and early 70's. They did operate in the 5 MHz region, mostly. Cubic was/is a different company. Their radios were marketed by Astro for a while.

Since we have NEVER had a law requiring proof of license to buy a radio, except maybe for purchase of a 10 meter linear, dealers have been free to sell what they have to those who have the money! I'm not suprised that they were often confiscated!

73

-----  
Date: Tue, 23 Oct 2001 10:46:41 -0400  
From: Jim Stafford <w4qo@amsat.org>  
To: qrp-1 list <qrp-1@lehigh.edu>, qrp@qth.net  
Cc: NoGaQRP Club <nogaqrp@qth.net>, Randy Foltz <rfoltz@turbonet.com>, QRP ARCI Operations Team <qrparci@topica.com>  
Subject: [109331] [CLUB] 2nd Annual Running of the Bulls



Message-ID: <3BD582D1.61F1E04B@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

2nd Annual Running of the QRP Bulls Mini-contest - November 3/4, 2001

QRP Amateur Radio Club International (QRP ARCI) is pleased to announce a "mini contest" coincident with the ARRL CW Sweepstakes. It is called the "Running of the QRP Bulls" - <http://personal.palouse.net/rfoltz/arci/bulls.htm>. The goals of the contest are to:

1. Encourage more participation in the QRP category of the CW SS - November 3/4, 2001. We are trying to encourage more QRP entries than B entries (high power). Last year we had a couple more entries in Q than in the B category. Let's do it again! If you get on to make even one QRP contact, submit a log to ARRL.
2. To provide more opportunity to do WAS QRP and 2x QRP. To do this, we need more QRP category entrants calling CQ.
3. Encourage more QRP stations to "borrow" a contest-type station for the weekend. There are many phone operators who would gladly "loan" their station to a QRPer for the weekend. We want to encourage anyone who has a "big" antenna system to definitely get on during the weekend. This will give more folks opportunity to work 2x QRP.
4. Encourage QRP stations to operate longer during the weekend. We have a plan for this.

Here it is: We would like to identify what we call the QRP Bulls. Now you don't have to be a "big antenna" type station to be a Bull. You only have to activate your ARRL section and plan to operate something like 5 to 15 hours during the contest. This is what makes you a Bull - willing to operate for an extended period. We will keep a list of all Bulls by section and our goal is to activate at least one Bull in each section. All those who are not Bulls will be Matadors! If you can only operate for a short period of time, enter the Matador category. Get on and make at least one contact during the weekend and, here's the requirement to enter either category, you must have sent in your entry to ARRL!

Prizes: QRP ARCI will provide a plaque to the top Bull, based on number of QRP to QRP (Q) contacts you make. Remember: to make QRP contacts as a Bull, you will need to call CQ! We will also provide a plaque to the top Matador, based on working the most Bulls during the contest. An ARRL Handbook will also be given to each winner! If you would like to

be a Bull, send your call, name, and ARRL section to: Randy Foltz, rfoltz@turbonet.com by November 1. Randy will publish on a web page - <http://personal.palouse.net/rfoltz/arci/bullst.htm>, a full list of Bulls so we can see which ARRL sections need to be filled. After the contest, FIRST, send in your contest entry to ARRL and then send Randy your report and soapbox. There will be an online page to do this but you may also send via snail mail.

Remember Bulls - your score is number of Q stations worked. Matadors - the number of Bulls worked. So sign up now to be in the Running of the QRP Bulls. Even if you're don't normally operate QRP, why not turn down your power to 5 watts and become a QRP Bull and be a part of this fun contest.

-----  
Date: Tue, 23 Oct 2001 14:44:40 +0000  
From: Dragon Singer <WM-Scace@wiu.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [109332] Zombie Credentials??  
Message-ID: <5.1.0.14.0.20011023144252.02a84a00@pop3.wiu.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang,  
Wayne K9DI es Sequoia here. I was just curious as to how to go about acquiring a set of Zombie credentials?  
73/72 es M00/00

Respectfully and Sincerely Yours,

Wayne M. Scace

k9di@arrl.net  
LICQ# 315313  
FISTS# 4409  
QRP-L# 2313  
FPQRP-L# 217  
SOC# 452  
ARS No. 1,082

-----  
Date: Tue, 23 Oct 2001 09:43:02 -0400  
From: Ray Sills <raysills@1stconnect.com>  
To: QRP list <qrp-l@Lehigh.EDU>  
Subject: [109333] Re: The better 10m vertical solution

Message-ID: <B7FAEC26.9C6D%raysills@1stConnect.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Hi Gang:

Another "quick & dirty" 10 meter antenna would be a "co-axial" antenna made completely out of coaxial cable. It's probably easiest to use RG-58a cable. You need 16 feet minimum of cable, -plus- whatever length you need to reach from the rig to where the antenna will be placed.

First, you measure 8 feet from the end of the cable. Cut the outer insulation around the cable, being careful to not cut into the braid. Then carefully cut into the insulation along the length of the cable for a few inches or so so that you can now peel back the outer insulation and remove it completely.

Then, back where the braid is now just visible, (and this is the tricky part) wiggle and poke it so that the weave of the braid opens up a little.. it should sort of puff up and form a bulb-like shape.

Then, carefully slip the braid backwards toward the -other- end (where you'll have your connector for the rig) of the cable. It can take a bit of fussing, be eventually, the braid will be looped back over the top of the outer insulation. This forms a de-facto balun and what you have is a half wave antenna, fed at the center, and the feedline is de-coupled via the now extra sleeve folding back over the co-ax.

You can hang the antenna vertically or horizontally or "upside-down" for that matter. And it's easy to roll up and carry as a portable antenna, too.

73 de Ray

K2ULR

FN20t1

> From: "Stuart Rohre" <rohre@arlut.utexas.edu>

> Reply-To: rohre@arlut.utexas.edu

> Date: Mon, 22 Oct 2001 16:57:12 -0500

> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

> Subject: The better 10m vertical solution

>

> Mike,

> Before you buy a commercial antenna for 10m, just get some copper wire and

> insulators, and make yourself a vertical dipole for 10m.

>

> It is only 16 feet tall.  
> It can be hung from a higher tree limb.  
>  
> It will have gain over any of those 10m antennas you mentioned. It is a  
> great DX antenna, no ground needed.  
>  
> You could feed it either with ladder line at 90 degrees to the wire for at  
> least 8 feet or more, or make the lower 8 feet from coax, and place a  
> toroid, or coiled Coax choke there to break up RF on the outer shield when  
> you bottom feed it, and thus your feed line coax, becomes half of the  
> antenna. Above the 8 foot point, either use just the center of coax, or a  
> wire to complete the dipole half.  
>  
> This is a quick and low cost do it yourself antenna.  
> 72,  
> Stuart K5KVH  
>  
>

-----  
Date: Tue, 23 Oct 2001 11:38:55 -0400  
From: brickle <brickle@pobox.com>  
To: w5xe@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [109334] Re: Subject: OT: Scrambled Intruders:  
Message-ID: <3BD58F0F.3561945F@pobox.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

> Not only Swan (Cubic) but also Ramsey, Yaesu and  
> a number of others made radios available...

The kind of scramblers you're talking about here can  
be inserted in the audio chain of any transceiver.  
They're easily available now as small chipsets and  
can be installed as aftermarket add-ons, even in some  
cellphones, or in small external boxes.

Frank  
AB2KT

-----  
Date: Tue, 23 Oct 2001 12:00:41 -0400

From: brickle <brickle@pobox.com>  
To: mel@euramcom.freeseve.co.uk  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [109335] Re: Intruders - a question?  
Message-ID: <3BD59429.CF19C064@pobox.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Euramcom wrote:

> I've often wondered about whether or not an intruder or other station  
> using some form of encryption can "hear" a plain vanilla transmission  
> or not?

Since the scrambling here is analog, it's rarely very hard  
to distinguish  
scrambled from plain transmissions. The simplest versions  
will often  
transmit the pilot tone required to do the spectrum  
inversion. Slightly more  
complicated versions will need some kind of synchronization,  
which  
often means some kind of FSK simultaneous with the voice.

Either way, the presence of a relatively constant, coherent  
signal  
along with the fluctuating voice is usually a dead giveaway  
that  
a signal is ciphony and not plain. It's easy to switch the  
descrambling on and off.

Even with digital devices, there's usually a characteristic  
keydown tone burst that lets you know whether what's coming  
is analog or digital, ciphony or plain. Systems like the  
Motorola  
ASTRO/Sabre and whatnot often have to maintain backward  
compatibility  
with all sorts of antique modes :-)

Frank  
AB2KT

-----

Date: Tue, 23 Oct 2001 09:10:24 -0700  
From: "Phinizy, William" <wphinizy@filenet.com>  
To: "QRP-1 Forum (E-mail)" <qrp-1@Lehigh.EDU>  
Subject: [109336] Digipan, WinPSK, and other sound card software

Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F04B77558@hq-expo2.filenet.com>

Question:

In general, do Digipan and WinPSK simultaneously reproduce your rig's audio to the PC speakers or do I need to hook up an auxiliary speaker? I seem not to be able to \*hear\* PSK31 signals (e.g. the rig's audio) when I run it into the sound card.

The same question applies for CWget (he embarrassingly asks).

Thanks,

Bill, K6WHP

-----  
Date: Tue, 23 Oct 2001 12:04:23 -0500 (EST)  
From: <igeq100@iupui.edu>  
To: "Phinizy, William" <wphinizy@filenet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [109337] Re: Digipan, WinPSK, and other sound card software  
Message-ID: <Pine.GS0.3.96.1011023115922.2188A-1000000@jade.iupui.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Bill -

I think that it depends on the particular sound card and how you make your input connection. I have been experimenting with various no-name sound cards, and this is what I think I have found.

If you make your audio input into the MIC jack, you do not get audio through the speakers (probably done that way to prevent feedback when using a microphone). If you use the LINE input, you do get audio from the speakers on two of the cards I have tested, but not on the third. YMMV.

Hope this helps.

73,

Rich Meiss, WB9LPU

On Tue, 23 Oct 2001, Phinizy, William wrote:

> Question:  
>  
> In general, do Digipan and WinPSK simultaneously reproduce your rig's audio  
> to the PC speakers or do I need to hook up an auxiliary speaker? I seem not  
> to be able to \*hear\* PSK31 signals (e.g. the rig's audio) when I run it into  
> the sound card.  
>  
> The same question applies for CWget (he embarrassingly asks).  
>  
> Thanks,  
>  
> Bill, K6WHP  
>  
>  
>  
>

-----  
Date: Tue, 23 Oct 2001 12:06:58 -0500 (CDT)  
From: Jim Glover <psykey@okcforum.org>  
To: qrp-l@lehigh.edu  
Cc: k5di@zianet.com  
Subject: [109338] Re: Electrically short antenna  
Message-ID: <200110231706.f9NH6x915312@okcforum.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Karl (and anyone else who might be interested):

Arnie Coro, C02KK, discussed short antennas in a recent edition of  
DXers Unlimited. A transcript is available on the web at:

<http://www.radiohc.org/Distributions/Dxers/scripts/01-1016.html>

73,  
Jim WB5UDE

-----  
Date: Tue, 23 Oct 2001 10:10:12 -0700 (MST)  
From: Chuck Adams <adamsc@moon.pr.erau.edu>  
To: qrp-l@lehigh.edu  
Subject: [109339] November ARRL CW SS Weekend  
Message-ID: <200110231710.KAA16752@moon.pr.erau.edu>

Gang,

Look for K7Q0/7 this year during SS. I will most likely start on 10 or 15 m the first hour of SS and work as many hours of 24 of 30 that I can. I have a plane schedule from Hades in and out of Jackson WY.

I will be operating from a hotel room on the third floor with a window that opens (I asked) but unknown support facilities for the random wire.

Using a K2 with ATU and a 18Ahr gel-cell with charger as long as it will hold out. Have 15,000' of teflon coated wire to use, so carrying about 200' or so just in case along with the nylon fishing line for insulation.

I will be on before the contest testing antenna(s) so if you need WY you might look for me on 15 and 20 for a few hours before the test. I can not do skeds as they never work out with unknown sunspot conditions.

My concern is the security that I have to go through with Delta Air so if you work for same let me know if you can help.

Goals: a -- win the \$10 bet with KI6DS ( I will go for a new Q count and score for the contest)  
b -- get first place in WY (N7NG will not be on this year, so I should set the record)

So be prepared to see SS postings for the next few weeks.

K7IR informed me that the K2 should work with CT9.3 so I will be going at 35 or more wpm during the contest. Practice, practice, practice from now until the contest.

Good luck and see you in November.

dit dit

Chuck Adams, K7Q0/7

p.s. I lost points last year as some of the people worked did not turn in logs. Make sure you turn in a log if you get on. You can cost people points.



p.s.s. And another \$5 from KK6MC/5 is in the bag. :-)

-----  
Date: Tue, 23 Oct 2001 12:14:23 -0500  
From: "Rob Matherly" <kc0bom@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [109340] Re: FST button on FT-817  
Message-ID: <01a001c15be6\$2dbdbe60\$7b11a541@intern01>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I knew there was something strange about that woman....

I always thought she was crabby, but now I know it's just because she's a feminist! I ended up unsubscribing because I got tired of being bit\*hed at all the time.

Also, been having e-mail troubles so have put qrp-L on postpone. If anyone in the group really wants me to read their comments, you'll have to send them direct :-)

72/73/oo  
Rob, kc0bom  
FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497

-----  
Visit my website! <http://www.geocities.com/kc0bom>

----- Original Message -----  
From: W2AGN <w2agn@pobox.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Friday, October 19, 2001 12:43 PM  
Subject: Re: FST button on FT-817

On Friday 19 October 2001 10:48, Fairbairn Bob-C12509 wrote:  
> Also check out the hfpack list. Another great group. But I will bet  
that  
> QRP-L FT817 and HFPACK have a lot of common members!!!  
>

--

HFPACK is kinda like QRP-L moderated by Gloria Steinham.

-----  
John L Sielke W2AGN  
w2agn@pobox.com  
<http://www.qsl.net/w2agn>

-----  
Date: Tue, 23 Oct 2001 12:57:22 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [109341] DANGER - HV!  
Message-ID: <200110231726.f9NHQnc21118@wolf.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Ya know, when you think about it, it's pretty amazing that any of us lived past puberty, seeing all the hours we spent in the basement, with a bare concret floor, building 6AU6 regens and 6V6 xmitters, as mear children <G> I can't remeber being bitten by the HV supply more than say, once a week =:-0 Don't know if it was skill, instinct, blind luck or Devine Intervention that we survived !

72,  
Steve, KD1JV in the White Mountains of New Hampshire  
"Melt Solder"  
<http://www.qsl.net/kd1jv/index.html>

-----  
Date: Tue, 23 Oct 2001 11:28:29 -0600  
From: "ccaro" <cjcaro35@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [109342] Re: Working with vaccum tubes  
Message-ID: <0E35Pqv91ySHW1HSAHw00015ca3@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Another point to remember is that an outlet wired to standard will have the HOT lead on the small or short contact and the NEUTRAL on the bigger or longer contact. A two wire polarized plug will have different sized prongs and should not be reversable. A ground wire connected to an outle that is not wired to ground will not do you any good. Verify the wiring so that hot

goes to input and neutral goes to chassis.

Regrds,

carlos #1333

----- Original Message -----

From: "Jim Stamper" <jstamper@shentel.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Monday, October 22, 2001 1:18 PM

Subject: Re: Working with vaccum tubes

> In olden days before three pronged and polarized plugs I had the wall  
socked and the line plug on my S-38 painted with red fingernail polish on  
one side

-----  
Date: Tue, 23 Oct 2001 13:00:02 -0500

From: "George, W5YR" <w5yr@att.net>

To: wphinizy@filenet.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [109343] Re: Digipan, WinPSK, and other sound card software

Message-ID: <3BD5B022.885EE2C9@att.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Try un-muting your line or mic inputs - whichever you use. Muting cuts off  
the signal to the speakers, not to the computer.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262

Amateur Radio W5YR, in the 56th year and it just keeps getting better!

Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

"Phinizy, William" wrote:

>

> Question:

>

> In general, do Digipan and WinPSK simultaneously reproduce your rig's audio  
> to the PC speakers or do I need to hook up an auxiliary speaker? I seem not  
> to be able to \*hear\* PSK31 signals (e.g. the rig's audio) when I run it into  
> the sound card.

>

> The same question applies for CWget (he embarrassingly asks).

-----  
Date: Tue, 23 Oct 2001 00:03:32 -0400  
From: "ZOOM" <kandrparker@sympatico.ca>  
To: <colcal@srv.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [109344] Re: Small Reciever  
Message-ID: <004601c15b77\$ae8879a0\$3294fea9@robertpa>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Try Tentec's Direct conversion receiver. Kit # 1056. You can set it up for any band or even make your own Bandswitching scheme. It's a very hot little receiver with variable BW control not to mention it's only about \$25 for the kit. A real value and you won't be disappointed!!  
I'll be adding the unicounter to mine for digital frequency display.

Cheers,  
Robert  
VE3RPF

----- Original Message -----  
From: Francis Callahan <colcal@srv.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Tuesday, October 23, 2001 6:15 AM  
Subject: Small Reciever

> I am looking for a small reiever either built or in a kit to use with my TT2  
> Thanks Cal KF7ET  
>  
>

-----  
Date: Tue, 23 Oct 2001 12:47:24 -0600  
From: Earl Murphy <earlmurf@telusplanet.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [109345] Re: QRP RIGS FOR SALE  
Message-ID: <3BD5BB3C.77E6B5CA@telusplanet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The NC-20 power out-put is as per specifications....7 WATTS @ 13.5 volts....

72/73.....Earl (VA6RF)

IamSF5@aol.com wrote:

> <<  
> > ---Norcal NC-20, 20 Meter CW, Stainlees Steel custom case, Blue Sky  
> > digital freq. read-out, internal speaker, Tick keyer, CW announciator,  
> > RIT, 10 turn pot \$130 US ---STILL AVAILABLE  
> > >>  
> How many watts of out does the rig have?  
> Bob  
> WA2HQrp <tm>

-----  
Date: Tue, 23 Oct 2001 11:53:54 -0700  
From: "Doug Hendricks" <ki6ds@dph.dpol.net>  
To: <qrp-1@Lehigh.EDU>  
Cc: <WA6GER@aol.com>, "Jay Bromley" <w5jay@alltel.net>,  
"Jerry Parker" <jparker@fix.net>  
Subject: [109346] QRPacificon Report (Very Long)  
Message-ID: <00bd01c15bf4\$13a65420\$4a0b0d0a@dph.dpol.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Fantastic! That is the word that I would use to describe the time that I had this weekend at QRPacificon. The weather was superb, and there were tons of qrpers there. I left Dos Palos on Thursday right after school. Traffic was horrible once I got to 680, but it always is at that time of day. Pulled in to the hotel at 6:45, got my room and then unpacked. I had the St. Aidan's Raffle prizes, a 50 Watt PA system plus microphone (last year the hotel sound system was horrible, and we decided not to depend on them again.), 2 guitars, and a mandolin. Finally got it all hauled into the room.

I went down to the lobby and met Dave Redfern and Rhett Isley, and we all went to dinner. Lots of fun talking about QRP and the new stuff going on. After dinner we stopped by Guitar Center, which is just down the street. I love guitar stores. The funniest thing was this guy playing about every type of style you can think of on an electric guitar. From heavy metal to oldies, this guy was banging away. We could hear him, but could not see him. I walked around the corner of a display and there he was. Hollered at

the guys to come take a look. The guitar virtuoso was a 10 year old kid, playing away. We all got a chuckle from that one.

Went back to the hotel and we were joined by Lou Hlousek from Reno and a friend. Talked until about midnight, and then we went to bed. The next morning I had to pick up Jim Duffey at the Oakland airport. Drove over and got him on the second circuit. He had only been waiting a few minutes. Jim hopped in the truck and we drove back to the hotel. We got Jim into his room, and then went to the hotel restaurant for a soda. While there we saw Jim and Judy Lowman, who invited us to join them for lunch. It was delicious, and the company was great. Jim and Judy were much more relaxed than they were the last time I saw them when they were running Riverside ARRL Southwest Division Convention.

Pretty soon the qrpers started to arrive. Jim Cates, Paul Maciel, Bill Jones, John Buck, Bob Tellefsen, Dave Fifield, JayBob Bromley, John Moriarity, Jim Larsen, Dave Meacham, Bob and Bertie Hightower, Dan and Vicki Tayloe, Brian Kassel, James and Kathy Bennett, Randy Foltz, Eric Swartz, Wayne Burdick, Mike Gipe, Jerry and Amanda Parker, Steve Smith, Mike Schettler, Bob Okas, Bill from Stanford, Jeff Grudin, Samarai Sam, Bill Phinizy, Bill Chambers, Mike Camp and Robin (sorry can't remember your last name Robin), Ori Mizrahi Shalom, Lloyd deVaughn, Ed Manuel, Doug Hauff, Vern Wright, man they were coming out of the woodwork.

We all met in the lobby and went to Fuddrucker's for dinner. Jim Duffey, substituting for Dave Yarnes as Banquet Chairman, did a fabulous job. I don't know how he did it, but he got the upstairs private dining room for us. We had about 75 show up for dinner. No speeches, no high dollar tickets, everyone got to order what they wanted to eat, plenty of conversation and fun, hey it doesn't get any better than this. My thanks to Dr. Megacycle for all of his hard work. I did hear Jim say that it was too much work for him, and he was gladly giving it back to Dave Yarnes for next year. So Dave, you got your job back. But you can rest assured that Dr. Megacycle kept your very high standards intact.

Friday night the open house featured the QRPacificon QSO party. Dave Fifield won first place, and he had a setup you wouldn't believe. I don't know how many bands he was capable of operating with his FT817, but his secret weapon was one of those scrolling led boards that you can program to say "CQ CQ CQ listen for AD6A on 14.055". Whenever Dave would change bands he would program the sign. It was a lot of fun to see, and showed a lot of ingenuity. Dave gets the Ori award for "Thinking out of the Box", grin. By the way, Glenn Maclean worked K7FD in Oregon, and Cam Hartford in LA, as did Bill Phinizy. Bill Jones rode around the hotel parking lot operating bicycle mobile. Jim Cates had a Mizuho and finally made one contact with Steve Smith. Jim was about 2 feet away at the time. Wonder how many watts per mile that was??? Grin.

About 10:30, several of us broke out our guitars and had a qrp jam session. Lasted until after midnight, and all of a sudden I was very, very tired. So went up to the room and found JayBob Bromley loudly snoring in his bed. Boy those guys from Arkansas can sure make strange noises at night. Hope they were all snores.

Saturday morning arrived and it was the big day of the year for Jim Cates and I. We love sponsoring QRPacificon and feel that it is the highlight of our QRP year. We are always anxious and it was even more so for us this year. Jim was a little nervous about his talk, and I was anxious to hear his talk.

Woke up about 6:30 AM, had to get JayBob up and about. Man, before that boy got married, he was the first one up. But it has all changed now. He finally got out of bed on the 4th call. Had breakfast with the guys and then it was off to the room.

Ed Manuel was the first speaker and he did a great job telling us how to use that 33 foot fiberglass pole that we all bought from Bill Kelsey at Dayton (You did buy one didn't you?) Ed showed us how to use the pole in many different antenna situations and bands. His talk must have inspired the boys, because Rick McClusky of World Radio, told me that they brought 24 of the SD20 poles (20 Ft. variety) and they sold every one of them 5 minutes after Ed's talk!! Wow, talk about the power of suggestion!!. Mike Gipe told me that the first 10 guys he passed going to the Vendor area were carrying those poles!!

Bill Jones was the second speaker and he enlisted Mike Gipe as his able assistant. Bill's talk was on QRP Operation away from home. He had many examples of stations to show us, and also talked about power needs, antenna solutions, and of course, radios. He even had a full dress recumbent bicycle that was all equipped to go bicyble mobile with his SWL40!! Then Mike Gipe came in with a pack on his back that had everything you can imagine in it for hiking and setting up a station, including the kitchen table!! Bill explained how to use each piece and how to make contacts "in the field". It was a truly entertaining talk.

We broke for lunch, and JayBob and I went over to the exhibits, where I bought one of the new 4 band K1 module boards, and a couple of parts kits for 80 and 15 meters. My plan is to build the 4 band module for 40, 30, 20, 17 and the two band module for 80 and 15. I will then have a six band radio!!!!!!! I met Lisa for the first time, and this is one sharp lady who understands how to wait on customers and make them feel important.

JayBob then bought me lunch, and we set on the grass to eat it. Sure hit the spot. Cheap too! \$5 for a big cheeseburger with all the trimmings, a bag of chips and a soda.

Finally, it was time. Jim Cates was the next speaker. His talk was on 42 years as a QRPer. Jim has a wonderful sense of humor, and he had the crowd roaring in minutes as he told us tales of being a qrper in the old days. He brought along a very small portion of his extensive qrp collection, and had a small story to tell about each rig. My favorite was when he showed us a rig that didn't work. Jim said it was balanced though. The receiver didn't work, and neither did the transmitter. He also showed us a multiband kit that turned into a commercial radio. Jim said that they weren't any better than the hams, as they couldn't get the multiband model to work either, but it didn't stop them from selling them. I will always treasure the memory of seeing Jim talk at Pacificon. I have probably heard as many qrp talks as anyone, and I must say that without a doubt, my favorite of all time has to be Jim's talk Saturday. If you were there, you know what I am trying to say, if you weren't, you missed one of the great events in qrp history. Thanks Jim for the wonderful experience of listening to you talk for an hour, non stop, about QRP. I will never forget it.

The final speaker was Eric Swartz. We had an antenna guy, an operating pair (Bill and Mike), and a history guy, now it was time for a serious technical talk. Eric Swartz, WA6HHQ, is a cofounder of Elecraft. He is a brilliant business man, and is also someone who really understands receivers. Eric talked about the various specs in a receiver, and which were important, and ones that were not so important, and why. It was very educational, and presented so that even a non engineer like myself could grasp what was going on. Yet, it also was informative to the engineer types in the audience. It is difficult to hit all of the members of your audience, yet Eric Swartz does it as well as anyone that I know. His presentation is very professionally done, and I would encourage all of you to see it if you get the opportunity.

This year at QRPacificon we cut back on the number of speakers. That is a result of going to Arkiecon and seeing how JayBob arranged the schedule to allow more time for guys to go to the vendor area. Most seemed to be happy with it, and appreciated the chance to spend time looking at the vendor area, or visiting with their friends. I like the format, and Jim and I agree that it is better than having 6 speakers and going from session to session with very little break in between.

We also took an informal poll about whether or not to break off from Pacificon and go back to the Hilton and do QRPacificon by ourselves. The consensus was that even though ticket prices are very, very high (\$15 at the door), and there was not a swap this year, that the guys want to come back to the Sheraton and stay with the convention. That is what we will do. So you can plan on QRPacificon being at the Sheraton in Concord again next year. The Pacificon people have told us that they are going to bring back the swap next year.

Saturday evening is the night that guys go out for dinner on their own with



their friends. We went to Tony Roma's, and had a lot of fun. Another great meal, but the highlight was when the newlywed, JayBob, got a phone call from his new wife, Kathy. I asked JayBob if I could talk to her, and he foolishly gave me the phone. Dave Fifield and I filled her in on all of the mischief that JayBob had been up to, and even told her about all the money that he had spent on ham gear. We even exaggerated a little to see if he could manage to get out of trouble. (He did).

Saturday night's activity centered around the St. Aidan's Raffle drawing featuring the following winners:

1. Elecraft K2 WB9KZY, Chuck Olson, Washington Island, Wisconsin
2. W6MMA Super Antennas MP2 - W4ZY, Robert Scott, Woodbridge, VA
3. W6MMA Super Antennas MP1 & Accessories - WA6YSY, John Arnold, Monterrey, CA
4. Red Hot Radio Red Hot 40 - AA0B, Roy Parker, Columbia, MO
5. Small Wonder Labs DSW20+ - KH7T, John Buck, Kamuela, HI
6. MFJ 15 Meter Cub, K0BE, Robert Olson, Canby, MN

It was a fabulous raffle, with \$2745.00 being raised for the Church where Rev. George Dobbs is the Vicar. Thanks for all the help guys. It was a good cause. Special thanks to Kathy Bennett and Vicki Tayloe for their help during the drawing.

Vern Wright actually won the MP-2, but generously donated it back. That drew a big laugh. I forgot to draw for the St. Louis Quickie, and when I got home, realized it. So I had my grandson draw a ticket out of the box, and JayBob Bromley won the antenna kit.

After the drawing, Vern Wright, Jim Cates and I presented JayBob Bromley with a special gift for the kindness that he shows us every year at Arkiecon. We realize that he just got married and will probably not be able to get away with buying a Super Screwdriver Antenna, so we went together and gave him one as a gift. Hopefully his new wife will allow him to put it on the car.

Sunday was filled with goodbyes and handshakes, but I have to tell one more story. We actually saw this happen. They were testing mobile antennas, and Ed Manuel was sitting on the curb by the test gear. JayBob and I actually saw a guy pull up and hand Ed a meal and a dollar. I guess the guy thought Ed was a homeless person. And guess what, Ed, being the true opportunist that he is, gladly took it!! With that, this long ramble is finally done. Thanks to all of you who came and supported us. Thanks to you who participated in the QRPacificon QSO party and posted logs. (Thanks Paul for the great idea). And thank you to the guys who work very hard behind the scenes to make Pacificon happen for us. Jim and I really appreciate Mike Gipe, Dave Fifield, Paul Maciel, JayBob Bromley, Jerry Parker and Amanda Parker and all of the local NorCal guys.

See you next year. 72, Doug

-----  
Date: Tue, 23 Oct 2001 15:01:21 -0400  
From: "Mike Boatright" <ko4wx@mindspring.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [109347] Re: Four-Band K1 Excitement  
Message-ID: <NFBBIILMKMIILGKAJMBLAEBPCCAA.ko4wx@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Bruce,

Thanks for the great review and info. Talked to Lisa at Elecraft today and hope to do the happy dance around Thursday or Friday (as of about 11:15am EDT/8:15AM PDT they had them in stock and were shipping out a batch today).

Took my K1 (#205, fully tricked out) to the UK with me last week, with no problems going through security (didn't try to take my W6MMA antenna though...looks too much like bad things that guys in the fatigues might get a little excited about). Only had a end-fed coax dipole antenna and very limited operating time. But looks like I may be back and forth over the next few weeks. This is HUGE for me. Now what to do with my 80/15, 40/20 and 30/17 modules...

72 de Mike, K04WX

-----  
Date: Tue, 23 Oct 2001 15:06:49 -0400  
From: "Ed Tanton" <n4xy@att.net>  
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>  
Cc: "CW Reflector" <cw@qth.net>  
Subject: [109348] FW: Here Comes the Sun (Again!)  
Message-ID: <002c01c15bf5\$de99a190\$4d0b4d0c@n4xy>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="us-ascii"  
Content-Transfer-Encoding: 7bit

72/73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY  
189 Pioneer Trail

Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by  
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

-----Original Message-----

From: SpaceWeather.com [mailto:spaceweather@lists.spaceweather.com]  
Sent: Tuesday, October 23, 2001 2:20 PM  
To: SpaceWeather.com  
Subject: Here Comes the Sun (Again!)

Space Weather News for October 23, 2001 <http://www.spaceweather.com>

A strong geomagnetic storm that spawned a vivid display of Northern Lights on Oct. 21st and 22nd is subsiding -- but another storm could begin soon.

A pair of solar explosions on Oct. 22nd hurled coronal mass ejections toward Earth. The expanding clouds will likely sweep past our planet on Oct. 24th or 25th and trigger a new round of geomagnetic activity. Visit [spaceweather.com](http://spaceweather.com) for details and to view pictures from a growing gallery of this week's sky show.

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-----  
Date: Tue, 23 Oct 2001 15:20:38 -0400  
From: "Jim Stamper" <jstamper@shentel.net>  
To: <casey.jay@gte.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [109349] Re: DX with Mediocre Antenna  
Message-ID: <000701c15bf7\$ccb8d700\$38156fcc@jstamper>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Speaking of learning, senior moments, and antenna improvements:

Today I finally hauled down my antenna, disconnected the coax feedline, and put up 30 feet of Radio Shack poles to turn it into an inverted vee. Put a rope and pulley on the top of the pole, got the pole up and firmly masking taped it into place [this is a southern vee] and hoisted up the antenna by its center insulator.

It is an Alpha-Delta DXCC and gives a pretty good match even without my tuner. To be on the safe side I decided to check it out with the trusty Auttek. The best VSWR I got was 8.6 with most bands in the 13-15 range and one off scale. That, I reasoned is a mediocre antenna.

I went outside and stared at the new setup. It certainly didn't look right. Something was missing. I had forgotten to reconnect the coax! Big improvement in the VSWR.

Slow learner.

jim-  
KG4LDY

----- Original Message -----

From: "Donn Kuse" <casey.jay@gte.net>  
To: "Jim Stamper" <jstamper@shentel.net>  
Sent: Tuesday, October 23, 2001 12:11 PM  
Subject: Re: DX with Mediocre Antenna

> Jim, we're never too old to learn, so they tell me. If we did stop learning

> somethings wrong!

> Have a good day.

> 73, Donn, WB4ZWT

> 66 and still learning

>

> Jim Stamper wrote:

>

> > Hey, Donn! I'm 66 too but not sure if I'm still learning.

> >

> > jim-

> > ----- Original Message -----

> > From: "Donn Kuse" <casey.jay@gte.net>

> > To: "Jim Stamper" <jstamper@shentel.net>

> > Sent: Monday, October 22, 2001 7:36 PM

> > Subject: Re: DX with Mediocre Antenna

> >

> > Jim,

> > > It was probably the S38C because I think it was the first one with the  
> > BFO.

> > > Don't know what my Xmtr was, but it was xtal controlled. Had a bunch

of  
> > xtals  
> > > before I got one with a VF0. That was after I upgraded. Seems to me  
I  
> > remember  
> > > the HW8 and HW16 in there somewhere. Sure wish I had both of them  
again.  
> > Yes,  
> > > it was crowded back then.  
> > > 73, Donn, WB4ZWT  
> > > 66 and still learning  
> > >  
> > > Jim Stamper wrote:  
> > >  
> > > > Donn,  
> > > >  
> > > > I cannot remember which model of S-38 mine was. It had a BFO  
control on  
> > the  
> > > > front panel and I cannot remember whether the third knob was an  
older or  
> > > > newer model. It wasn't much of a receiver.  
> > > >  
> > > > The command set, ARC-5, I converted had a chirp nobody would  
tolerate  
> > these  
> > > > days. But then nearly everybody had some chirp and, of course, we  
were  
> > > > required to be crystal controlled and that meant a lot more spectrum  
was  
> > in  
> > > > use and there was more QRM. Except for a few, very few, Vibroplex  
bugs  
> > > > everybody used straight hand keys and the CW was pretty bad. It was  
not  
> > the  
> > > > "good" old days IMHO!  
> > > >  
> > >  
>

-----  
Date: Tue, 23 Oct 2001 16:02:08 -0400  
From: "Kwik, Ed " <ed.kwik@delphiauto.com>  
To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>  
Subject: [109350] Michigan QRP net 9:00PM Eastern time 3.535Mhz

Message-ID:  
<9F176F70FD71AC48AFC36F879D2B84E32C3B4B@tryexch01.NorthAmerica.DelphiAuto.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

A reminder that tonight the Michigan QRP net meets at 9:00 PM at 3.535 MHz.

Ed AB8DF Waterford, MI

-----  
Date: Tue, 23 Oct 2001 14:12:59 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: <qrp-l@lehigh.edu>  
Subject: [109351] Hard to Believe  
Message-ID: <Pine.LNX.4.33.0110231230400.2071-100000@cannac.fun>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have a Kenwood TS-50 set to 5, 50, and 100 watts of output power as my main mobile and home radio. On QRP events I use it at 5 watts and it works just fine. On nets that meet on 75 and 40 meters I always change to 100 watts out.

Then I got a Yaseu FT-817. No switch where the antenna hooks to the tuner so of late I have found the 817 hooked to the antenna(s) and I use it on 2 meters FM for that kind of work, and press a key and I'm down on 40 meters listening to the Noon Day Net at 7.140 MHz. So I just call in and net control hears me. I do the usual and net control thanks me and we are done.

This morning the NM Breakfast Club on 3.939 MHz is going fine and so when net control calls for check-in I call and he hears me. I get my time on the stump and talk for a minute or 2 and hand it back to net control. He says thanks and asks a question I answer and on it goes.

What's hard to believe is that no-one tells me I'm weak. No-one acts like they can't copy. It just works. QRP power is good for general ssb nets on all bands. There is never a need for higher power now that band conditions are so good. Perhaps when the band conditions get poor QRP may not work. I will talk to that when it happens.

--  
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

<http://www.qsl.net/k5di/>

-----  
Date: Tue, 23 Oct 2001 13:28:05 -0700  
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>  
To: Elecraft mail list <elecraft@qth.net>  
Subject: [109352] Elecraft KFL1-4 Manual Now Available for Download  
Message-ID: <3BD5D2D5.9119AB33@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi,

We have added the KFL1-4 manual (Four Band Module for the K1) to the Elecraft Manual Downloads page at:  
<http://www.elecraft.com>

73, Eric WA6HHQ

-----  
Date: Tue, 23 Oct 2001 16:51:54 -0400  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [109353] Re: DANGER - HV!  
Message-ID: <F88QVjp3b6uIU1Gj03o0000f5b7@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Boy, Steve...the power of suggestion ! You really took me back with that one...

I can't tell you how many times I got 'bit' foolin' around inside my ol' 6U8A regen set...but that WAS a fun project.

However, the most severe jolt I have EVER received was while in the basement of my buddy Don (K4PFV...the fellow who administered my Novice exams...Morse and written).

Don was showing me and my dad (W4MAI) this enormous transmitter he had...I think it was the ART-13...out of its case and powered up.

I went around to the back of Don's operating desk for a closer look and somehow managed to come in contact with the plate supply of the thing and next I knew, Dad and Don were picking me up off the floor! (can you say

'oooooff!' ?)

I was around twelve at the time and...well, now y'all know why I'm the way I am...

73.

Bill, N4QA

-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

-----  
Date: Tue, 23 Oct 2001 12:51:05 -0700

From: "Bill Jones" <kd7s@psnw.com>

To: <qrp-l@lehigh.edu>

Subject: [109354] Pacificon Comments

Message-ID: <001201c15bfc\$83e82580\$138d6bd1@j3s0p2>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Like everyone else, I had a super great time at Pacificon. Were it not for the tireless efforts of people like Doug Hendricks, Pacificon would have been "just another ham radio convention." Special recognition goes to Jerry Parker and his daughter, Amanda. They provided everyone who asked a special i.d. badge identifying the recipient by name, callsign and of course, as a QRPer. As a result, we really stood out in the crowd.

The hotel facilities were nice although I was dismayed to find that they charged 75 cents for every local phone call. I had my laptop hooked up and programmed it to check my e-mail every half hour or so. I could have made a house payment with the charges tacked onto the end of my bill. But the staff was nice, especially the folks who tidied up our rooms every day.

The vendor area was no Dayton but interesting enough to go back for a "second look" every couple hours or so. Of course the Elecraft booth was one of the busiest around. There was a strong showing by Ham Radio Outlet plus a lot of specialty vendors. I think everyone was disappointed to discover the fleamarket had been cancelled with little or no prior announcement from the sponsors. But they promised it would be back next year.

The Friday night on-the-air operating event could only be described as fantastic. The rules requiring antennas to fit inside a 6' x 6' x 6' area brought out some very innovative designs. You are going to love the pictures whey they hit the NorCal web page.



Finally, on a personal note, I'm not very pleased with the drivers in the city of Concord. I spent a couple hours on Friday riding my shiny new recumbent bicycle around the town. Concord is NOT a bicycle friendly town ... and that's being kind.

Once again I would like to thank all those who had a hand in making Pacificon a great place to be. I'll be back next year, for sure.

=====  
Bill Jones <><  
Sanger, California  
=====

-----  
Date: Tue, 23 Oct 2001 16:53:40 EDT  
From: AC6JA@aol.com  
To: qrp-1@lehigh.edu  
Subject: [109355] adjusting radio shack switching power supply voltage  
Message-ID: <9d.1d267ea9.290732d4@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

does anyone who owns the radio shack small switching power supply know what part to change/adjust to raise the output voltage? i'm trying to use it with my K2.

any info would be greatly appreciated.  
thanks in advance!

mike ac6ja

-----  
Date: Tue, 23 Oct 2001 17:22:25 -0400  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Cc: "Phillips, John K2QAI" <k2qai@arrl.org>  
Subject: [109356] RE: Line noise from hell  
Message-ID: <125490A005E3D3118C9C00805FC743CC023B39FA@KAHLESS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

John Phillips, K2QAI, the ARRL Lab's newest Labbie, is making good progress on some of the power-line cases.

If you are having a power line interference problem, first try to resolve it with your power company, through the normal customer-service channels. The info at <http://www.arrl.org/tis/info/rfi-elect.html> may be of some help. Keep a record of your reasonable attempts to work with their system.

If that reaches a dead end, send an email to [rfi@arrl.org](mailto:rfi@arrl.org). John will need a Readers Digest summary of your efforts with the power company, the company name and mailing address of the utility and the name of the Chief Executive Officer, President, or the Senior Vice President in charge of customer service. John, operating under ARRL's agreement with the FCC, can then send an advisory letter to the utility company. This has often been effective, about 70% of the time, anyway.

After that, if the utility is still not responding, John and or I can help expedite the case to the FCC. The utility company will then get pretty much the same letter from the FCC, this time customized with their name on top and an FCC Enforcement Bureau autograph on the bottom.

Keep a couple of things in mind. If you have a reasonable working relationship with your local utility-company staff, having ARRL or the FCC go over their heads can undermine that relationship. If they want to help, but don't know what to do, John can help them by recommending equipment and troubleshooting techniques. ARRL is also in contact with a volunteer in the industry, Jody, WA1ZBL, an RFI troubleshooter, and RFI Services, Mike Martin, K3RFI, who does this sort of thing professionally.

Last thing to remember is that, even under the best of circumstances, these things take time. The FCC letter gives a utility 30 days to respond and 90 days to correct the problem, and the Commission doesn't get concerned until it runs well past that, if the company is making any sort of effort. Also, many problems have multiple sources, and sometimes they will find a noise a bit away from you that you can't hear at all -- but they think they have corrected your problem.

John and I are working on an article on this, but unfortunately, the cases pouring keep putting the article on the back burner.

73,  
Ed Hare, W1RFI  
ARRL Lab  
225 Main St  
Newington, CT 06111  
Tel: 860-594-0318  
Internet: [w1rfi@arrl.org](mailto:w1rfi@arrl.org)  
Web: <http://www.arrl.org/tis>

> -----Original Message-----  
> From: Pete Burbank [mailto:plburbank@kih.net]  
> Sent: Sunday, October 14, 2001 5:50 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Line noise from hell  
>  
>  
> This noise is pretty tough to find.  
> Nelsons book is great.  
> Our friend Riley is putting the hammer down so there is hope.  
> The noise propagates for miles and is difficult to locate.  
> Nelson points out  
> that the noise becomes more apparent as you approach it and  
> increase the  
> RX frequency.  
> A useful tool is an old AM CB walkie talkie at 27 mc....keep pushing  
> the antenna in as you approach the culprit.  
> At the site you can identify a specific insulator with an  
> ultrasonic bat  
> receiver  
> ( 40 Kcs)  
> You can also hear lots of bats!!!!  
> I use a JPS-ANC-4 when I get tired of chasing down the noise.  
> The sense antenna is stapled to the house and runs under the siding  
> 73 Pete NV4V  
>

-----  
Date: Tue, 23 Oct 2001 17:28:27 -0400  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: "'wa7spy@home.com'" <wa7spy@home.com>,  
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [109357] RE: QRP Antennas The MP-1  
Message-ID: <125490A005E3D3118C9C00805FC743CC023B39FC@KAHLESS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

The MP-1 was reviewed in the November issue of QST. I do note, though, that the reviewer is known to drive old pickup trucks and such and probably shouldn't be trusted. :-)

73,  
Ed Hare, W1RFI  
ARRL Lab  
225 Main St  
Newington, CT 06111

Tel: 860-594-0318  
Internet: w1rfi@arrl.org  
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Glenn Maclean [mailto:wa7spy@home.com]

> Sent: Saturday, October 13, 2001 8:23 PM

> To: Low Power Amateur Radio Discussion

> Subject: QRP Antennas The MP-1

>

>

> After renting a house for the past 3 1/2 years we had to move  
> out. We are in

> the process of buying a house. In the interim we have moved  
> to a 2 bedroom

> apartment with three little kids one dog and three cats. I  
> went from having

> a Carolina Windom up at 55 feet to living in an apartment  
> complex that does

> not allow antennas. I purchased one of Vern Wrights Super  
> Antennas the MP-1.

> To me this is an amazing little antenna. I am able to set the  
> MP-1 up on a

> small deck railing to our upstairs apartment. I was able to  
> work the Fists

> Sprint today with lots of contacts on 10, 15 and 20 meters  
> with the MP-1. I

> am able to do causal operating at night as well with the  
> MP-1. Now I know

> this is not like having a big beam or nice dipole up high.

> The point is I am

> able to make contacts with this antenna when I want to. I  
> take the antenna

> down when not using it. It can be set up in minutes. If you  
> are looking for

> a portable antenna in a small package that you can set up in  
> minutes without

> having to throw a line into trees. The MP-1 is the cats meow.  
> This is my

> opinion of course. When we get settled into the new house I  
> will be putting

> up a nice dipole or small beam. For now I am content with  
> using the MP-1 and

> making contacts. Look for me at night on 30, 20, and 40  
> meters depending on

> propagation. We will be in our new QTH in a couple of weeks

> from now or  
> sooner.  
>  
> Glenn WA7SPY  
> Sacramento, CA  
>

-----  
Date: Tue, 23 Oct 2001 16:44:46 -0500  
From: "Jerry L. Bartachek" <jsbarta@lisco.com>  
To: QRP List <qrp-l@Lehigh.EDU>  
Subject: [109358] RE: Weak Wavery Beacons on 160M  
Message-ID: <3BD5E4CE.78B09AB5@lisco.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

For several winters while enjoying 160 M in the early mornings, I hear odd beacons at 1810, 1812, and 1813 KHZ. The one on 1810 sends "VIA didit daaaaah" repeatedly in CW, and on both 1812 and 1813 an identical beacon simultaneously sends "BCK" over and over.

My friend in Wisconsin and I were musing over what they were. Now BCK is the non-directional beacon (NDB) at the Black River Falls airport and resides on 362 KHZ. Just how I am hearing that thing on 1812 and 1813 at the same time amazes me.

I can't find any listing for a "VIA" beacon anywhere on the web. What am I hearing, really? If it actually is the 5th harmonic of an NDB, I'm really receiving some incredibly small QRP sigs!

My Receiver is a Ten-Tec Paragon most of the time, although I can also hear the beacons on my QRP Plus. So the IF conversion scheme probably does not figure into my hearing them.

Some hams on the QRP-L are quite knowledgeable about beacons, covert ops, etc. Ray Colbert, do you have some insight on this oddity?

Thanks and 72,

Jerry Bartachek KD0CA  
Washington, IA

QRP-L #544

-----  
Date: Tue, 23 Oct 2001 18:07:38 -0400  
From: "w8diz" <w8diz@fpqrp.com>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [109359] Re: Weak Wavery Beacons on 160M  
Message-ID: <007a01c15c0f\$213152f0\$39d81b41@cinci.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I remember hearing those beacons the last few years on 1810 approx.  
Real handy to check for band openings.  
Oh... and I think you were listening to both sidebands.

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio  
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W  
SOC-8 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26  
FP#-1 <http://home.cinci.rr.com/w8diz> & <http://kitsandparts.com>

----- Original Message -----  
From: "Jerry L. Bartachek" <jsbarta@lisco.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Tuesday, October 23, 2001 5:44 PM  
Subject: RE: Weak Wavery Beacons on 160M

For several winters while enjoying 160 M in the early  
mornings, I hear odd beacons at 1810, 1812, and 1813 KHZ.  
The one on 1810 sends "VIA didit daaaaah" repeatedly in CW,  
and on both 1812 and 1813 an identical beacon simultaneously  
sends "BCK" over and over.

My friend in Wisconsin and I were musing over what they  
were. Now BCK is the non-directional beacon (NDB) at the  
Black River Falls airport and resides on 362 KHZ. Just how  
I am hearing that thing on 1812 and 1813 at the same time  
amazes me.

I can't find any listing for a "VIA" beacon anywhere on the  
web. What am I hearing, really? If it actually is the 5th  
harmonic of an NDB, I'm really receiving some incredibly  
small QRP sigs!

My Receiver is a Ten-Tec Paragon most of the time, although

I can also hear the beacons on my QRP Plus. So the IF conversion scheme probably does not figure into my hearing them.

Some hams on the QRP-L are quite knowledgeable about beacons, covert ops, etc. Ray Colbert, do you have some insight on this oddity?

Thanks and 72,

Jerry Bartachek K00CA  
Washington, IA  
QRP-L #544

-----  
Date: Tue, 23 Oct 2001 18:13:04 -0400  
From: "Tim A. King Jr." <iflyos@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [109360] Test Equipment  
Message-ID: <F840SQeSOzNCWbzwWJv0000eec7@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Ok....I know this is probably a basic question, but how can one measure capacitance? I have seen add-ons for DVMs, is this the best way? If so, what would you guys recommend as a decent, cheap add-on. I have some test equipment already, and I have recently found myself in need of a way to measure capacitance of several variable caps I have come across....

72/73,

Tim A. King, Jr.  
KG4MQD  
Safety Officer, Hobby Park R/C Aircraft Club  
Winston Salem, NC  
AMA# 578668

-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>  
-----

Date: Tue, 23 Oct 2001 19:37:57 -0400  
From: "Harry Hurst" <wa3ptg@home.com>  
To: <iflyos@hotmail.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [109361] Re: Test Equipment  
Message-ID: <001e01c15c1b\$bef3b6c0\$0400a8c0@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

A cap tester is built-in to my DVM. I use it by measuring known values and then comparing the unknown cap. Don't have confidence that a \$99 DVM is the last work in Cap checkers. It does work well enough.

Hap, WA3PTG  
Wilmington DE

----- Original Message -----  
From: "Tim A. King Jr." <iflyos@hotmail.com>

> Ok....I know this is probably a basic question, but how can one measure  
> capacitance? I have seen add-ons for DVMs, is this the best way? If so,

-----  
Date: Tue, 23 Oct 2001 17:31:07 -0500  
From: "George, W5YR" <w5yr@att.net>  
To: iflyos@hotmail.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [109362] Re: Test Equipment  
Message-ID: <3BD5EFAB.9850B74A@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have and recommend the AADE L/C Meter. Costs about \$140 assembled and shipped but does a superb job with digital readout. I believe the kit is about \$120. Can't recall the URL but a search should turn them up.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6  
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262  
Amateur Radio W5YR, in the 56th year and it just keeps getting better!  
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437



"Tim A. King Jr." wrote:

>

> Ok....I know this is probably a basic question, but how can one measure  
> capacitance? I have seen add-ons for DVMs, is this the best way? If so,  
> what would you guys recommend as a decent, cheap add-on. I have some test  
> equipment already, and I have recently found myself in need of a way to  
> measure capacitance of several variable caps I have come across....

-----

Date: Tue, 23 Oct 2001 18:31:35 -0400

From: Rick McKee <kc8aon@juno.com>

To: rohre@arlut.utexas.edu, qrp-1@Lehigh.EDU

Subject: [109363] Re: Improving, not replacing the G5RV

Message-ID: <20011023.183140.12294.0.kc8aon@juno.com>

I looked through my notes, and found where I had jotted down the dimensions for an improvement on the G5RV, supposed to give you 5 bands with a low SWR ! The dipole section is 94 feet long, and fed via a 41 foot section of 450 ohm ladderline which in turn connects to a 50 ohm coax any length. The summary of SWR readings I have in my notes are listed below.

FREQ	SWR
3.5	7.5:1
7.1	2.4:1
14.2	1.5:1
18.1	2:1
24.9	1.5:1
29	2.4:1

(All of these are well within the range of most tuners)

I don't have any note on 15 or 30 meters about it, maybe some of these antenna gurus can do some computer modeling with the dimensions on those bands. I have not tried this antenna myself, but I'm certain that different locations and different heights (it's recommended to mount it at least 40 feet by the way) would give varying results.

73 & Good Luck !  
Rick McKee, KC8AON  
Willow Wood, Ohio

-----  
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-----  
Date: Tue, 23 Oct 2001 17:38:54 -0500  
From: George Franklin <w0av@juno.com>  
To: jsbarta@lisco.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [109364] Re: Weak Wavery Beacons on 160M  
Message-ID: <20011023.173855.-1773669.1.w0av@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Jerry,

It is quite possible that you are hearing the 5th harmonic of an NDB.

Some NDB's were infamous for harmonic radiation, and hams reported their 5th harmonics from many hundreds of miles away in the past, even though the fundamental output was 50W out less.

That is indeed QRPp!

72/73/74 de George/W0AV  
SOC#101, COG (Certified Old Geezer) #1  
Ex-NDB peddler (Ours were clean, of course)

-----  
Date: Tue, 23 Oct 2001 17:44:23 -0500  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: "Rick McKee" <kc8aon@juno.com>, <qrp-1@Lehigh.EDU>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [109365] Re: Improving, not replacing the G5RV  
Message-ID: <002101c15c14\$43579880\$4e100a0a@rohredt2000>

Rick,  
Those dimensions are close to the Dr. Austin version of G5RV, the ZS6BKW, WARC optimized one.

I believe his were 90 feet flat top maybe 92, for ladder line of the 450 ohm twin feeder which might have been 34 feet of feeder and 91? foot flat top, then any length coax, as you say.

I adapted that to my location, and had to modify the arrangement to keep the ladder line horizontal out from the center insulator of the flat top. That was because existing supports I had were not 40 feet tall! I named the mod,

the K5KVH. It had consistently 3:1 SWR on 15 m phone band. I ran it with no transmatch at times, and it worked OK, (less than 2:1 SWR) on 40m and was great match on 20m as expected of G5RV's. In fact, your SWR table looks close to what I remember for the other bands.

The Austin design is extensively discussed in the Bill Orr last Antenna book. You might find the 30m SWR there. My copy is at home, not office or I would look it up for you.

Once I solve my loss of vertical supports, I think I will try my idea of adding ordinary parallel dipoles to a G5 or K5KVH, for 30m and 15m optimization.

73,

Stuart K5KVH

-----  
Date: Tue, 23 Oct 2001 18:45:31 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: iflyos@hotmail.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [109366] Re: Test Equipment  
Message-ID: <3BD5F30B.C54CA4E8@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Tim,

A DVM may give you an estimate of the capacitor's reading, but it will only be that! Capacitors should be measured in a resonant circuit or a bridge circuit. The AIDE Meter does a fine job if you respect its limitations.

Variable capacitors are notoriously hard to measure. You will eventually get enough experience with them to estimate what their value probably is. Test them by connecting a known coil across them and measuring with a grid dip meter.

73

-----  
Date: Tue, 23 Oct 2001 15:56:05 -0700  
From: "John Moriarity" <k6qq@hdo.net>  
To: <w5yr@att.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [109367] Re: Test Equipment  
Message-ID: <021201c15c15\$e6986460\$aa5fa13f@k6qq>

> I have and recommend the AADE L/C Meter. Costs about \$140 assembled  
and  
> shipped but does a superb job with digital readout. I believe the kit  
is  
> about \$120. Can't recall the URL but a search should turn them up.

I second the motion. It's an excellent tool.  
Go to [www.aade.com](http://www.aade.com) and see what it's all  
about.

72,

John, K6QQ

-----  
Date: Tue, 23 Oct 2001 16:58:28 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [109368] RE: QRP Antennas The MP-1  
Message-ID: <Pine.LNX.4.33.0110231657390.2832-100000@cannac.fun>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Yes, and his name is Ed, and he works somewhere in Newington, CT

On Tue, 23 Oct 2001, Hare,Ed, W1RFI wrote:

> The MP-1 was reviewed in the November issue of QST. I do note, though, that  
> the reviewer is known to drive old pickup trucks and such and probably  
> shouldn't be trusted. :-)  
>  
> 73,  
> Ed Hare, W1RFI  
> ARRL Lab  
> 225 Main St  
> Newington, CT 06111  
> Tel: 860-594-0318  
> Internet: [w1rfi@arrl.org](mailto:w1rfi@arrl.org)

> Web: <http://www.arrl.org/tis>

>

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>

> > -----Original Message-----

> > From: Glenn Maclean [mailto:wa7spy@home.com]

> > Sent: Saturday, October 13, 2001 8:23 PM

> > To: Low Power Amateur Radio Discussion

> > Subject: QRP Antennas The MP-1

> >

> >

> > After renting a house for the past 3 1/2 years we had to move  
> > out. We are in

> > the process of buying a house. In the interim we have moved  
> > to a 2 bedroom

> > apartment with three little kids one dog and three cats. I  
> > went from having

> > a Carolina Windom up at 55 feet to living in an apartment  
> > complex that does

> > not allow antennas. I purchased one of Vern Wrights Super  
> > Antennas the MP-1.

> > To me this is an amazing little antenna. I am able to set the  
> > MP-1 up on a

> > small deck railing to our upstairs apartment. I was able to  
> > work the Fists

> > Sprint today with lots of contacts on 10, 15 and 20 meters  
> > with the MP-1. I

> > am able to do causal operating at night as well with the  
> > MP-1. Now I know

> > this is not like having a big beam or nice dipole up high.

> > The point is I am

> > able to make contacts with this antenna when I want to. I  
> > take the antenna

> > down when not using it. It can be set up in minutes. If you  
> > are looking for

> > a portable antenna in a small package that you can set up in  
> > minutes without

> > having to throw a line into trees. The MP-1 is the cats meow.

> > This is my

> > opinion of course. When we get settled into the new house I  
> > will be putting

> > up a nice dipole or small beam. For now I am content with  
> > using the MP-1 and

> > making contacts. Look for me at night on 30, 20, and 40  
> > meters depending on

> > propagation. We will be in our new QTH in a couple of weeks  
> > from now or

> > sooner.

> >  
> > Glenn WA7SPY  
> > Sacramento, CA  
> >  
>

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Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
http://www.qsl.net/k5di/

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End of QRP-L Digest 2351

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